A. I. A. File 12j1

CORRUGATED WIRE GLASS SKYLIGHTS

Manufactured by

PENNSYLVANIA WIRE GLASS COMPANY

Philadelphia, Pa.

LASAR MFG. CO.
16TH & O'FALLON STRS.
ST. LOUIS. MO.

Details and Specifications

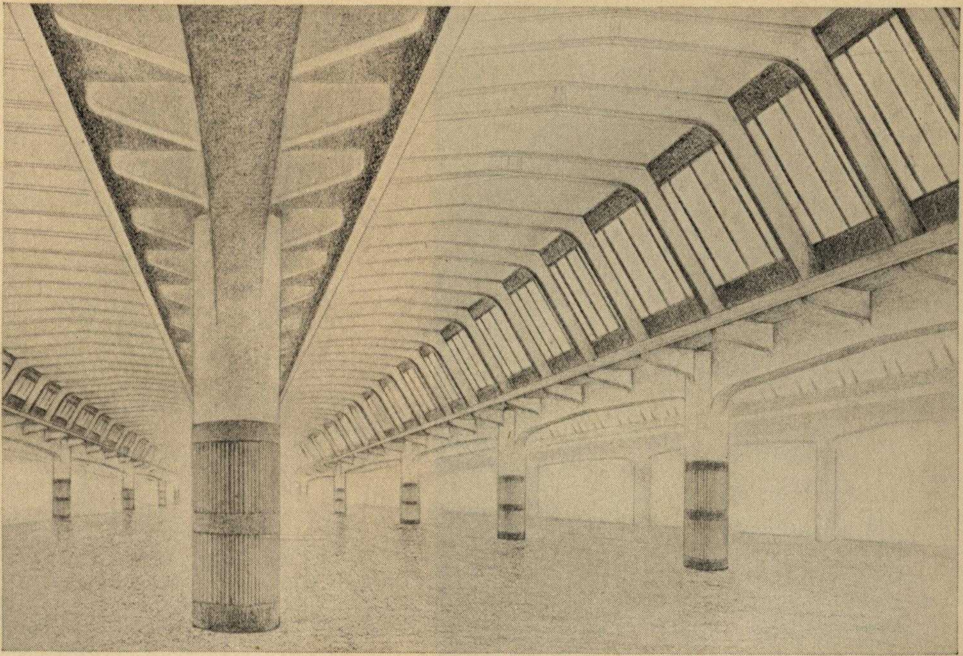
LOCAL DISTRIBUTOR

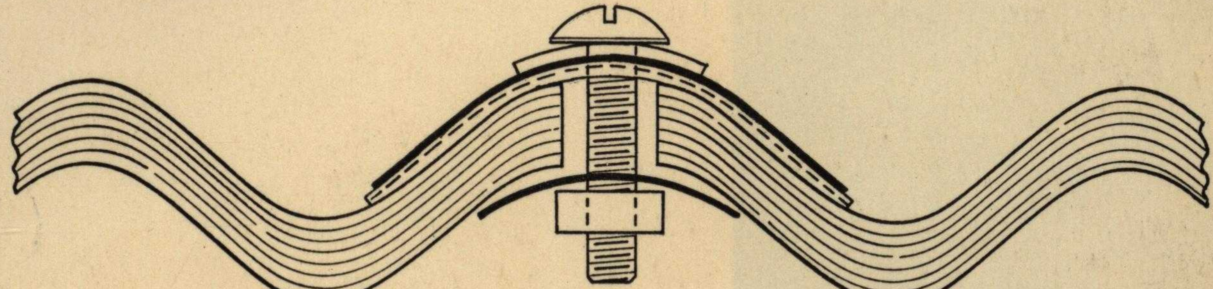
A. I. A. File 12j1

THE FORD MUSEUM

The cost of the buildings which house the unusual exhibits in the Ford Museum at Dearborn, Michigan, is but a small percentage of the value of these exhibits. Only the best and most durable materials of construction were used. Corrugated Wire Glass was chosen to glaze the skylights.

A finely diffused, shadowless daylight is transmitted. The construction is weathertight and dust-proof. The glass greatly reduces the objectionable glare and heat rays of sunlight, and is an aid in securing the minimum deterioration of the exhibits.





TYPICAL GLASS JOINT ⟦Full Size⟧

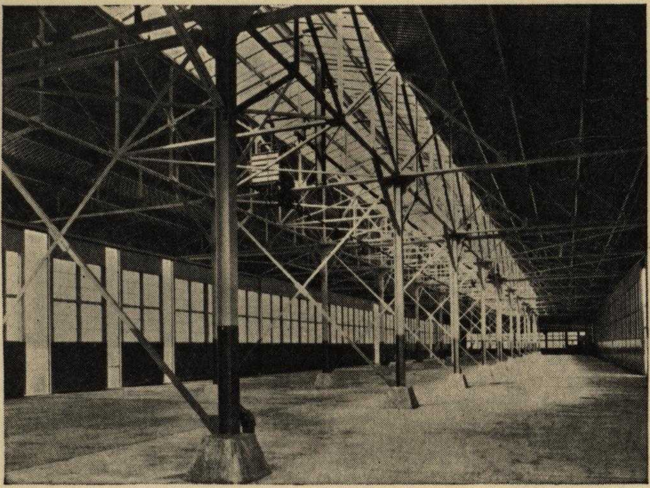
This full-size sectional drawing shows why:

C. W. G. construction is weathertight.
C. W. G. withstands expansion and vibration, the enemies of flat-glass skylights.
The corrugations increase glass strength and help diffuse the direct rays of sunlight.

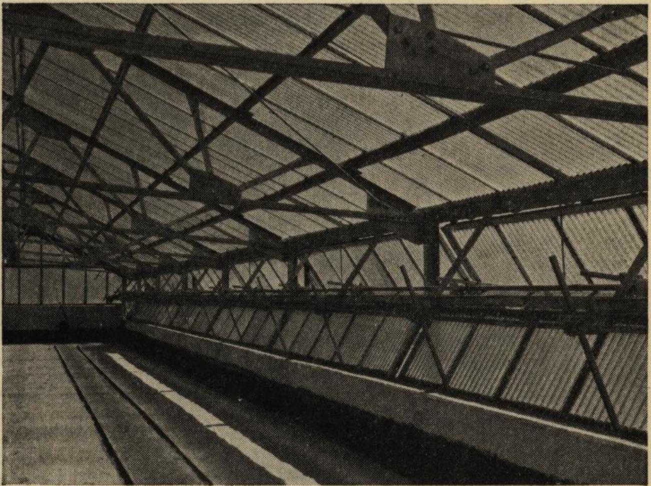
CORRUGATED WIRE GLASS

Manufactured by **PENNSYLVANIA WIRE GLASS COMPANY**, Philadelphia, Pa.

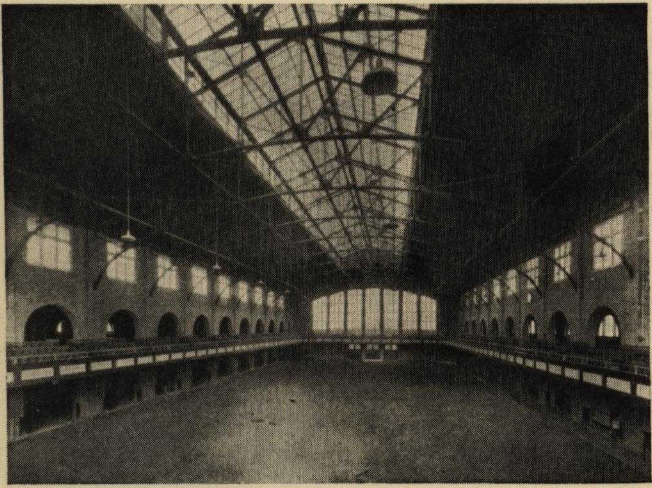
TYPICAL INSTALLATIONS



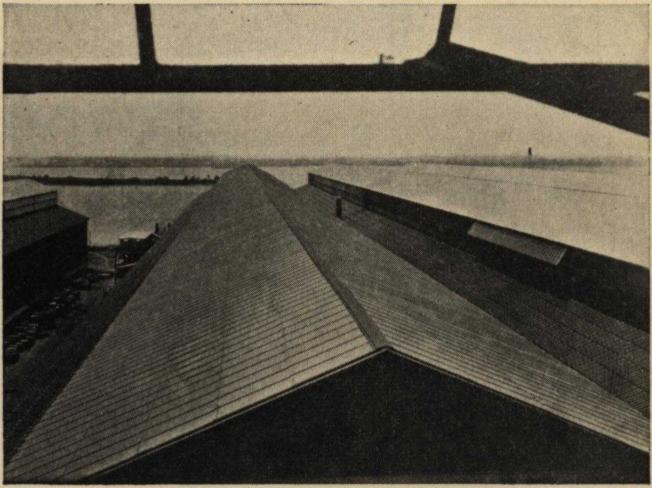
WRIGHT FIELD AIRPLANE HANGAR
DAYTON, OHIO
Ridge Skylights



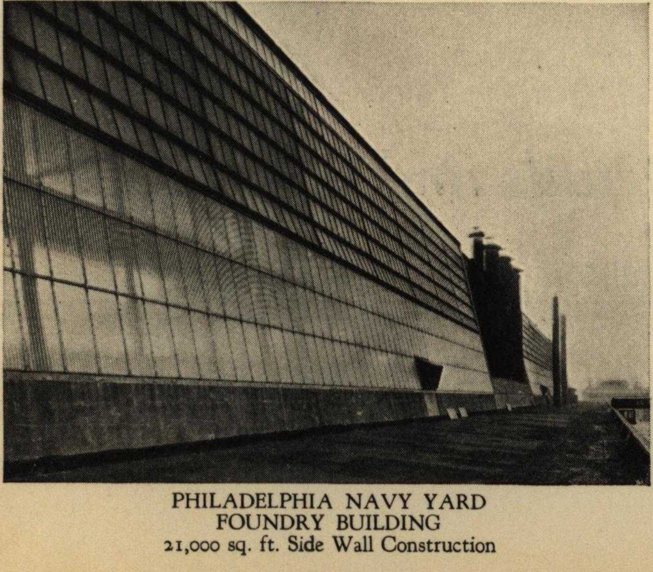
SLUDGE BEDS
BURLINGTON, N. J.
All C. W. G. Buildings



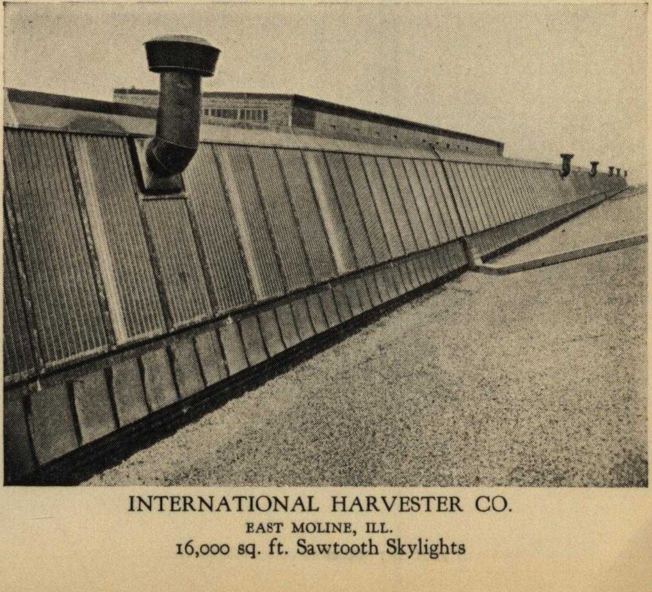
WILKES-BARRE ARMORY
WILKES-BARRE, PA.
10,000 sq. ft. Monitor Roof



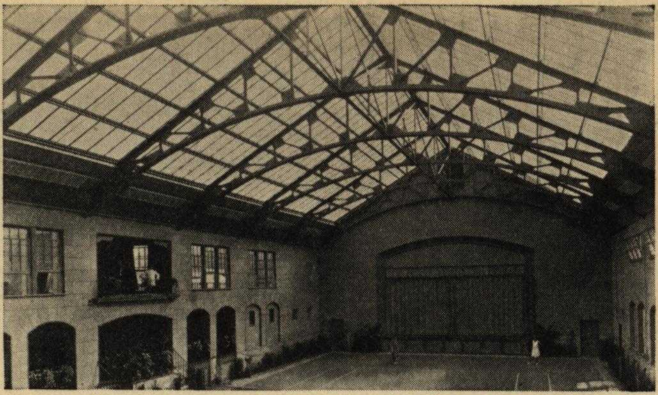
GENERAL STEEL CASTINGS CO.
EDDYSTONE, PA.
323,000 sq. ft. Monitor Roofs



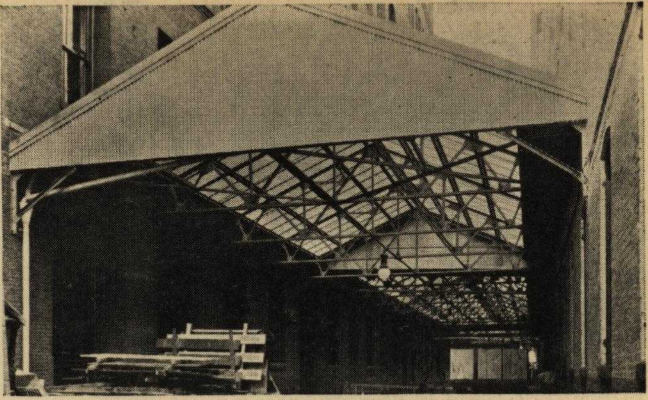
PHILADELPHIA NAVY YARD
FOUNDRY BUILDING
21,000 sq. ft. Side Wall Construction



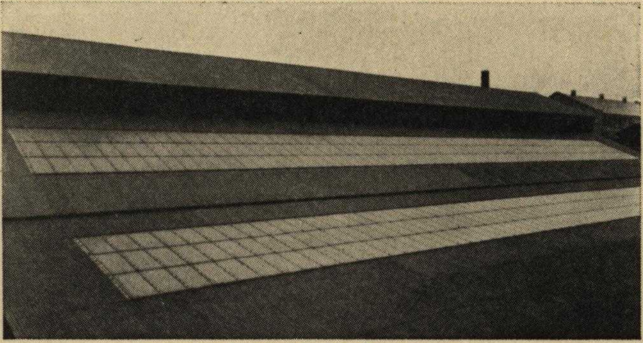
INTERNATIONAL HARVESTER CO.
EAST MOLINE, ILL.
16,000 sq. ft. Sawtooth Skylights



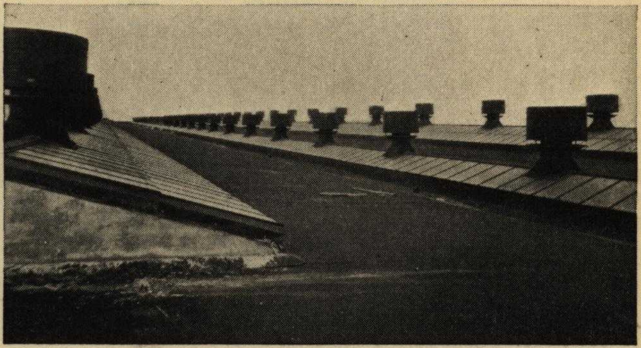
INDOOR TENNIS COURT OF MRS. H. E. TALBOT
DAYTON, OHIO
C. W. G. Roof



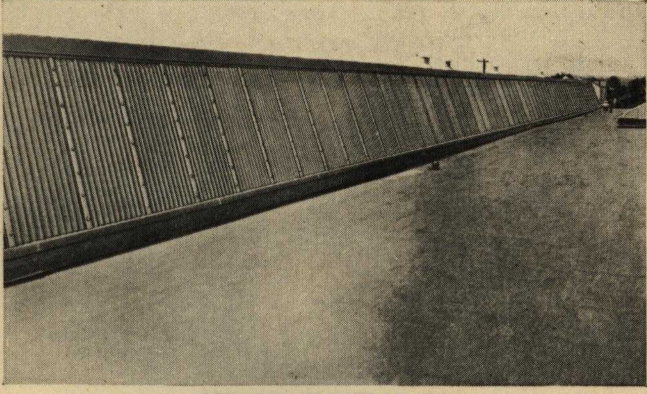
GOVERNMENT PRINTING OFFICE
WASHINGTON, D. C.
Street Between Buildings Roofed Over



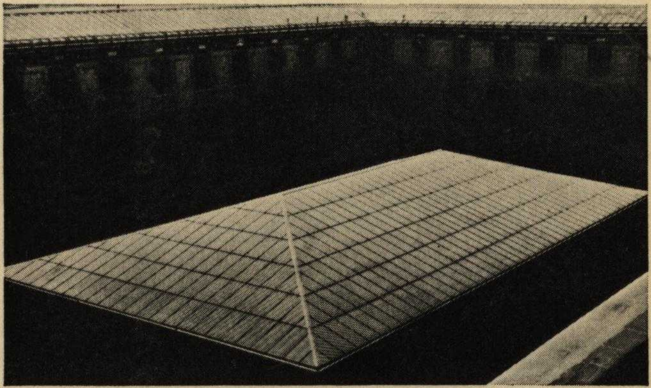
OLIVER IRON AND STEEL CO.
PITTSBURGH, PA.
C. W. G. Used With Corrugated Sheet Roofing



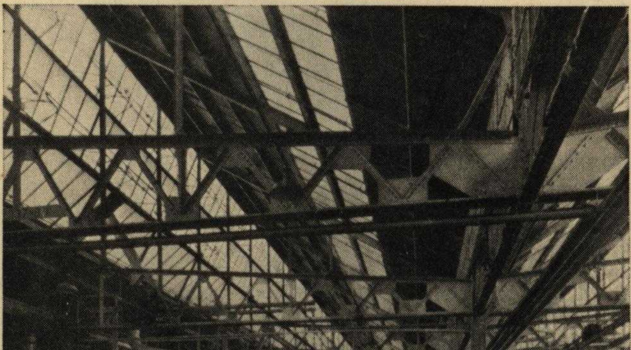
CHESAPEAKE AND OHIO R. R. SHOPS
RUSSELL, KY.
68,000 sq. ft. Curb Skylights



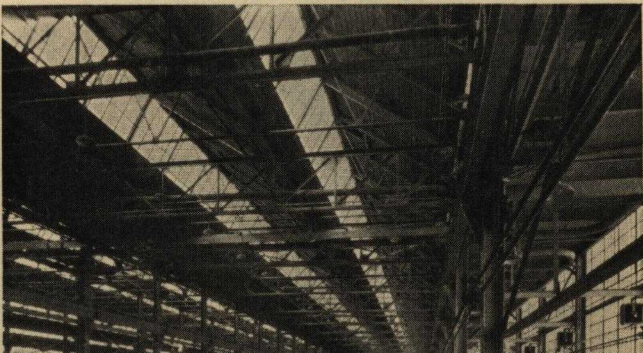
LELAND ELECTRIC CO.
DAYTON, OHIO
20,000 sq. ft. Sawtooth Skylights



POST OFFICE, 33rd St. and Eighth Ave.
NEW YORK CITY
7,100 sq. ft. Hip Skylight



FORD MOTOR CO.
LINCOLN DIVISION—DETROIT, MICH.
C. W. G. on Back Slopes of Sawtooths



LIBBEY-OWENS SHEET GLASS CO.
TOLEDO, OHIO
C. W. G. Sawtooth Skylights

POINTS OF SUPERIORITY OF CORRUGATED WIRE GLASS

Low maintenance cost. No bars to rust or corrode. Because of corrugations, rain washes off dirt and dust, making it practically self-cleaning. Breakage of Corrugated Wire Glass is far less than that of flat glass.

It is adaptable to any type of roof construction. Applied directly on steel or wood purlins or curbs, and concrete. No supplementary frame used.

Corrugated Wire Glass is the strongest and lightest glass construction of its kind.

Unusual resistance to vibration and temperature changes.

Completely weathertight.

Translucent, transmitting diffused light with minimum shadows.

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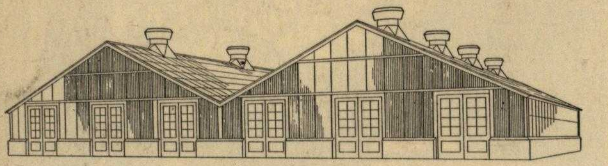
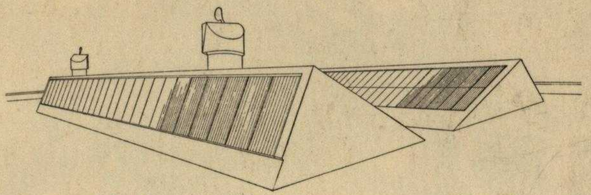
P-101	Gable End Skylights with Steel Framing.
P-102	Single Pitch Skylights with Steel Framing.
P-103	Concrete Curb Skylights.
P-104	Concrete Curb Skylights.
P-105	Skylights with Wood Roof-sheathing.
P-106	Wood Curb Skylights.
P-107	Skylights with Cement-tile Roofing.
P-108	Skylights with Steel-deck Roofing.
P-109	Sawtooth Skylights with Steel Framing
P-110	Sawtooth Skylights with Steel Framing.
P-111	Sawtooth Skylights with Wood Framing.
P-112	Skylights on Back Slopes of Sawtooth Framing.
P-113	Skylights with Corrugated Sheet Metal Roofing.
P-114	Steel Framed Marquise.
P-115	Typical Sheet Metal Ventilator Details.
P-116	Methods of Draining Condensation.
P-117	Steel Framed Canopies.
*P-118	to P-124 inc.
2700	Typical C. W. G. Skylights with corrugated asbestos.
2700A	Details of C. W. G. with 2½″ & 2⅝″ pitch asbestos.
2700B	Details of C. W. G. with 4.2″ pitch asbestos.
2825A	Standard 10′ 0″ Curb Skylight—Steel Frame.
2825B	Standard 20′ 0″ Curb Skylight—Steel Frame.
2825C	Standard 10′ 0″ and 20′ 0″ Skylight Gable-end details
3551	Details of C. W. G. Ventilating Units.
3606	Sludge Bed Details.
3606A	Sludge Bed Details.

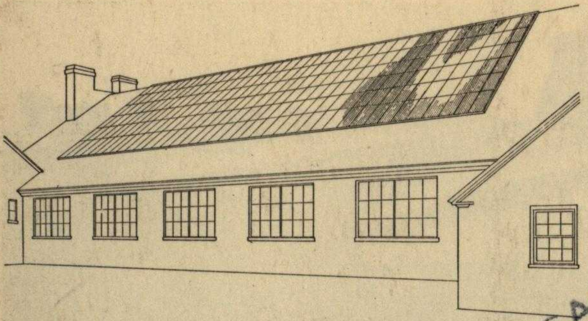
*These sheets will be sent out as they are issued.

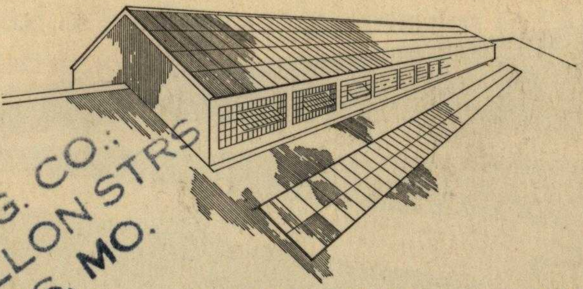
Typical Uses of C. W. G.

Details Inside

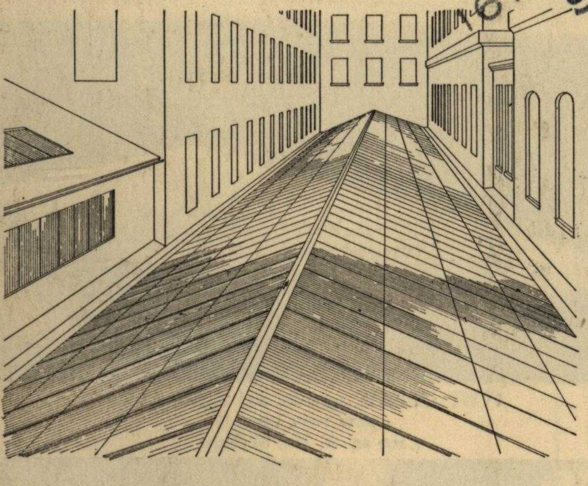

C. W. G. Buildings for Manufacturing and for Sludge Bed Covering

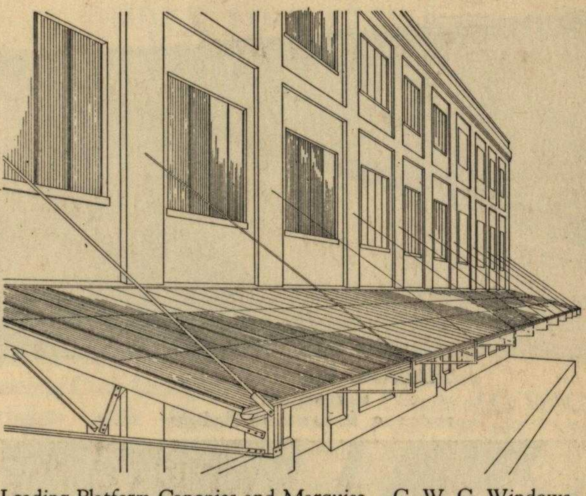

C. W. G. for Sawtooth Skylights—on Front and Back Slopes


Roofs for Tennis Courts, Gymnasiums, Swimming Pools


Monitor Roofs and Ridge Skylights. C. W. G. Set in Roofs of Corrugated Materials

LASAR MFG. CO.
16TH & O'FALLON STRS
ST. LOUIS, MO.


Roofs Over Courts, Areaways, Passages, Craneways, Railway Tracks


Loading Platform Canopies and Marquise. C. W. G. Windows

The manufacturers of Corrugated Wire Glass

The Pennsylvania Wire Glass Company

1612 MARKET STREET, PHILADELPHIA, PA.

maintain an engineering service department for consultation regarding skylighting and kindred problems for which there is no charge.

Specifications for the Installation of Corrugated Wire Glass

SCOPE OF WORK.

I. *Work by Others.*

All supporting frames, curbs, purlins, ridge-beams, tie-rods and bracing for proper construction shall be provided under another contract.
All roofing, curb and roof flashings, gutters and counter-flashings shall be provided under another contract.

II. *Work Required.*

The work to be done under this contract includes the furnishing of all labor, materials, equipment and services necessary for, and reasonably incidental to, the erection of (White or Actinic—specify which) Corrugated Wire Glass, (in Skylights or Side-Wall Panels), as manufactured by the Pennsylvania Wire Glass Company with

standard fittings of (specify which)
- No. 3S8 Aluminum (.032″ thick)
- 18 oz. cold rolled copper
- 24 ga. galvanized steel (copper bearing) (Painted with aluminum)
- 13 ga. zinc
- 24 ga. "Lead Clad" steel
- 6 lb. Hoyt Hard Lead

as shown on the drawings and herein specified.

SHOP DRAWINGS.

This Contractor shall furnish the (Architects, Engineers, Purchasers), for their approval before any of the work is executed, complete shop drawings conforming to the recommendations of the Manufacturer.

CONSTRUCTION AND ERECTION.

This Contractor shall erect the Corrugated Wire Glass exactly as prescribed in the approved drawings and recommendations of the Pennsylvania Wire Glass Company.
(While the specification clause above will cover the erection of Corrugated Wire Glass, under the heading of "Notes" below, there are several clauses which may be included where deemed necessary.)

NOTES.

(a) No sheet of Corrugated Wire Glass shall exceed 27¾ inches in width, and, no single sheet shall span more than 60 inches clear opening (up the slope) without an intermediate support. Where glass is set at an angle of 60 degrees, or more, from the horizontal, the maximum clear span may extend to 96 inches (up the slope). Corrugated Wire Glass covering openings greater than those mentioned must have an intermediate support or arrangements must be made to use two or more lights of glass.

(b) The sheets of glass shall be laid edge to edge (not lapping) with ½ inch spaces between the sheets and the open joints so formed shall be covered with exterior metal cover caps and metal inner strips which conform to the corrugations of the glass. The exterior cover caps shall have an asphaltic lining. The caps and inner strips, to complete the joint, shall be bolted together by bolts passing through the caps and inner strips and between the sheets of glass approximately 9 inches center to center.

(c) Where structural supports occur, clips, engaged by bolts passing through the cover caps, shall be used to hold the glass securely in place.

(d) Each light of glass shall have a firm, even bearing and wherever any sheet of glass is applied to structural work (such as curbs, purlins, etc.), it shall be cushioned with an asphalt strip. Where it laps over other glass, it shall be cushioned with a sealing strip.
At the bottom (or eaves) of Corrugated Wire Glass construction and at the top (in conjunction with the ridge or flashings), the openings caused by the corrugations of the glass shall be filled with a sealing strip especially designed and supplied for this purpose.

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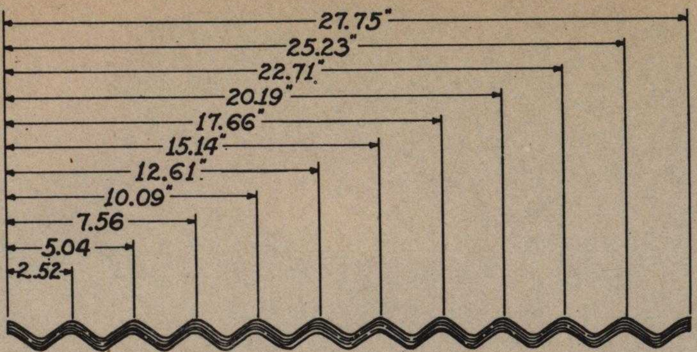
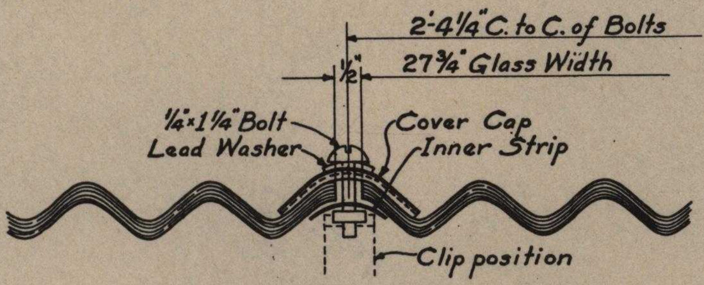
Deep Angle	
Lts.	Width
1	2'-4¼"
2	4'-8½"
3	7'-0¾"
4	9'-5"
5	11'-9¼"
6	14'-1½"
7	16'-5¾"
8	18'-10"
9	21'-2¼"
10	23'-6½"
11	25'-10¾"
12	28'-3"
13	30'-7¼"
14	32'-11½"
15	35'-3¾"
16	37'-8"
17	40'-0¼"
18	42'-4½"
19	44'-8¾"
20	47'-1"
21	49'-5¼"
22	51'-9½"
23	54'-1¾"
24	56'-6"
25	58'-10¼"
26	61'-2½"
27	63'-6¾"
28	65'-11"
29	68'-3¼"
30	70'-7½"
31	72'-11¾"
32	75'-4"
33	77'-8¼"
34	80'-0½"
35	82'-4¾"
36	84'-9"
37	87'-1¼"
38	89'-5½"
39	91'-9¾"
40	94'-2"
41	96'-6¼"
42	98'-10½"
43	101'-2¾"
44	103'-7"
45	105'-11¼"
46	108'-3½"
47	110'-7¾"
48	113'-0"
49	115'-4¼"
50	117'-8½"



STANDARD SHEET OF CORRUGATED WIRE GLASS



TYPICAL COVER CAP JOINT

NOTES—

Standard width glass (27¾") should be used wherever possible on account of ease in setting and because cut sizes are more difficult to obtain in case of breakage.

When glass must be cut in widths narrower than 27¾" it can only be supplied in multiples of the full corrugation or 2½"—viz. 25¼", 22¾", 20¼" and 17¾".

In arranging corrugated wire glass sheets to suit a given opening it is often necessary to cut out more than one 2½" corrugation. Then it is advisable to divide the cutting among several sheets rather than cut all from one sheet.

Glass more than 27¾" wide cannot be supplied.

The lengths of the sheets depend upon the conditions under which the glass is used. The conditions governing are shown in the Typical Detail Sheets for different types of skylights and glass roof construction.

Deep Angle	
Lts.	Width
51	120'-0¾"
52	122'-5"
53	124'-9¼"
54	127'-1½"
55	129'-5¾"
56	131'-10"
57	134'-2¼"
58	136'-6½"
59	138'-10¾"
60	141'-3"
61	143'-7¼"
62	145'-11½"
63	148'-3¾"
64	150'-8"
65	153'-0¼"
66	155'-4½"
67	157'-8¾"
68	160'-1"
69	162'-5¼"
70	164'-9½"
71	167'-1¾"
72	169'-6"
73	171'-10¼"
74	174'-2½"
75	176'-6¾"
76	178'-11"
77	181'-3¼"
78	183'-7½"
79	185'-11¾"
80	188'-4"
81	190'-8¼"
82	193'-0½"
83	195'-4¾"
84	197'-9"
85	200'-1¼"
86	202'-5½"
87	204'-9¾"
88	207'-2"
89	209'-6¼"
90	211'-10½"
91	214'-2¾"
92	216'-7"
93	218'-11¼"
94	221'-3½"
95	223'-7¾"
96	226'-0"
97	228'-4¼"
98	230'-8½"
99	233'-0¾"
100	235'-5"

A.I.A. File No. 12J1

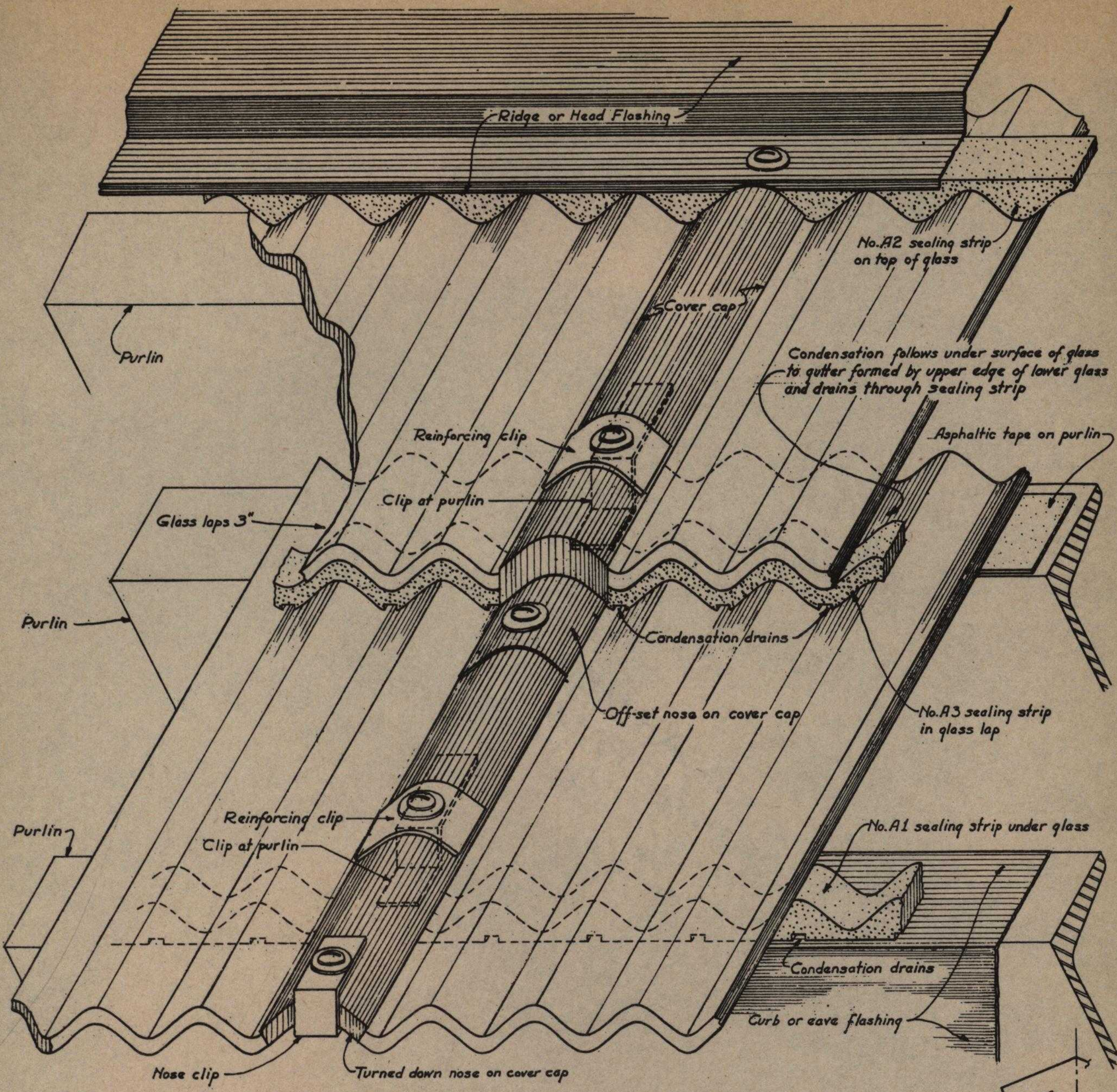
LET US MAKE
YOUR SKYLIGHT
DETAILS

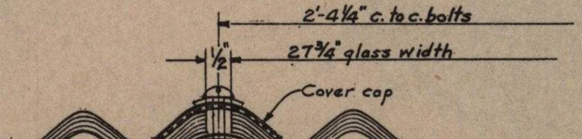
STANDARD SIZE AND SPACING FOR CORRUGATED WIRE GLASS

MANUFACTURED BY PENNSYLVANIA WIRE GLASS COMPANY, PHILADELPHIA, PA.

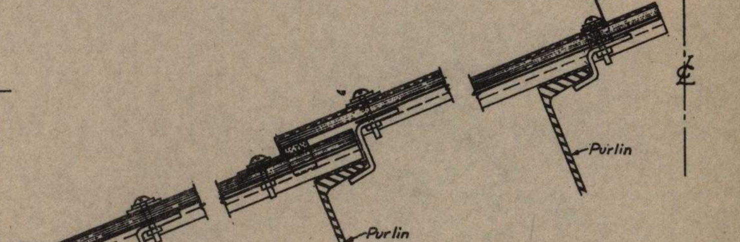
PLATE NUMBER
P-99
SEPT. 1934

A.I.A. File No. 12 J 1


Ridge or Head Flashing
No. A2 sealing strip on top of glass
Cover cap
Purlin
Condensation follows under surface of glass to gutter formed by upper edge of lower glass and drains through sealing strip
Reinforcing clip
Asphaltic tape on purlin
Clip at purlin
Glass laps 3"
Purlin
Condensation drains
Off-set nose on cover cap
No. A3 sealing strip in glass lap
Reinforcing clip
Clip at purlin
No. A1 sealing strip under glass
Purlin
Condensation drains
Curb or eave flashing
Nose clip
Turned down nose on cover cap



TYPICAL GLASS JOINT



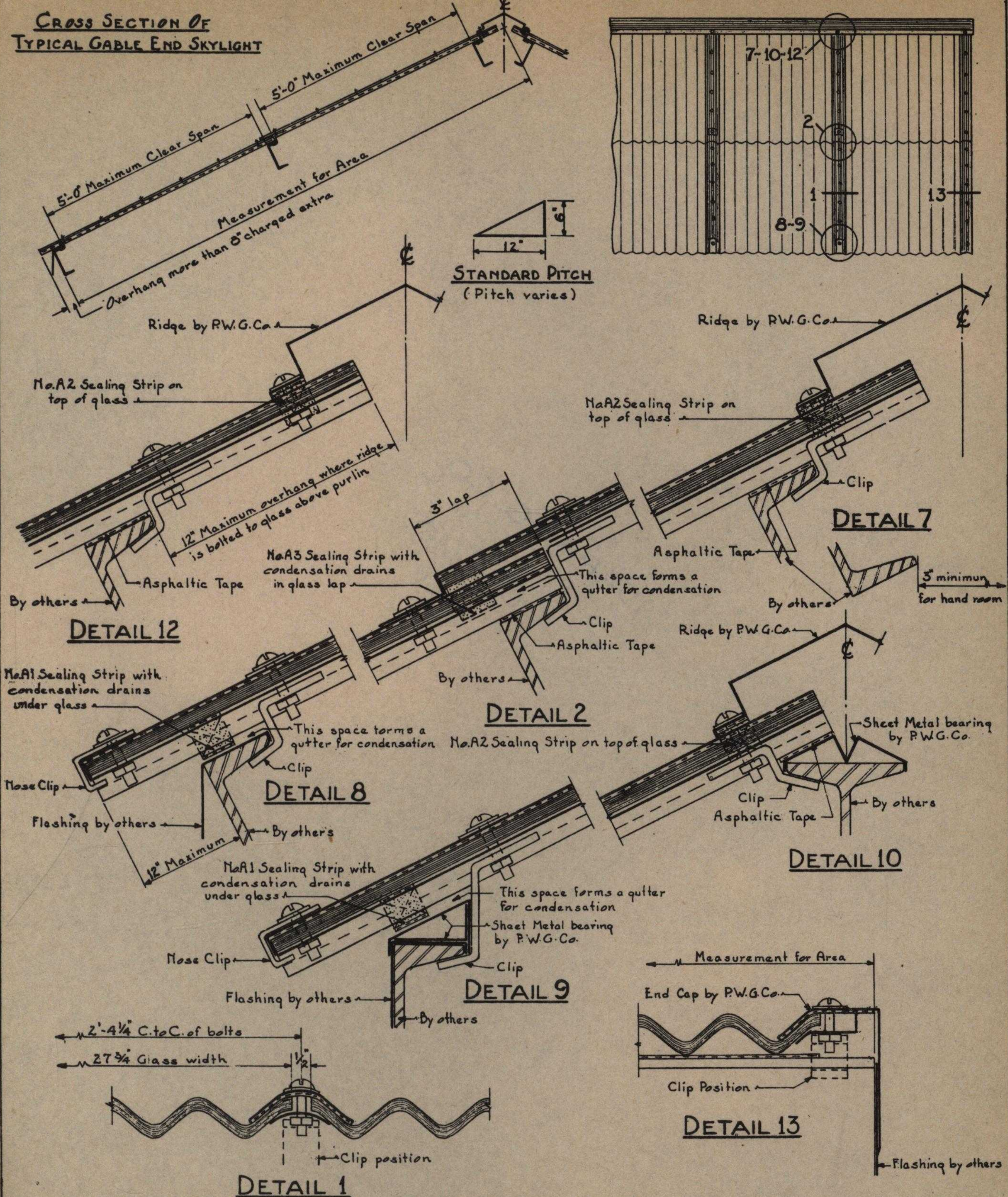
TYPICAL SECTION THROUGH ROOF OR SKYLIGHT

NOTE—Pa. Wire Glass Co. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames. The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼" in diameter.

SCALE FOR DETAILS 3" = 1'-0"	DETAILS·OF·CORRUGATED·WIRE·GLASS·SKYLIGHTS ISOMETRIC·DETAIL·OF·TYPICAL·LAP·JOINT MANUFACTURED·BY·PENNSYLVANIA·WIRE·GLASS·COMPANY·PHILA., PA.	PLATE NUMBER P-100 SEPT. 1934

A.I.A. File No. 12 J 1

A.I.A. No. 12 J 1



Cross Section Of Typical Gable End Skylight
5'-0" Maximum Clear Span
5'-0" Maximum Clear Span
5'-0" Maximum Clear Span
Measurement for Area
Overhang more than 8" charged extra
℄
6"
12"
Standard Pitch
(Pitch varies)
7-10-12
2
1
13
8-9
Ridge by P.W.G.Co.
No. A2 Sealing Strip on top of glass
12" Maximum overhang where ridge is bolted to glass above purlin
Asphaltic Tape
By others
Detail 12
3" lap
No. A3 Sealing Strip with condensation drains in glass lap
This space forms a gutter for condensation
Clip
Asphaltic Tape
By others
Detail 2
Ridge by P.W.G.Co.
No. A2 Sealing Strip on top of glass
Clip
Detail 7
Asphaltic Tape
By others
5" minimum for hand room
No. A1 Sealing Strip with condensation drains under glass
This space forms a gutter for condensation
Clip
Nose Clip
Detail 8
Flashing by others
By other's
12" Maximum
Ridge by P.W.G.Co.
No. A2 Sealing Strip on top of glass
Sheet Metal bearing by P.W.G.Co.
Clip
Asphaltic Tape
By others
Detail 10
No. A1 Sealing Strip with condensation drains under glass
This space forms a gutter for condensation
Sheet Metal bearing by P.W.G.Co.
Nose Clip
Clip
Detail 9
Flashing by others
By others
Measurement for Area
End Cap by P.W.G.Co.
Clip Position
Detail 13
Flashing by others
2'-4 1/4" C. to C. of bolts
27 3/4" Glass width
1/2"
Clip position
Detail 1

NOTE ~ Pa. Wire Glass Co. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames.

The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be 1/4" in diameter.

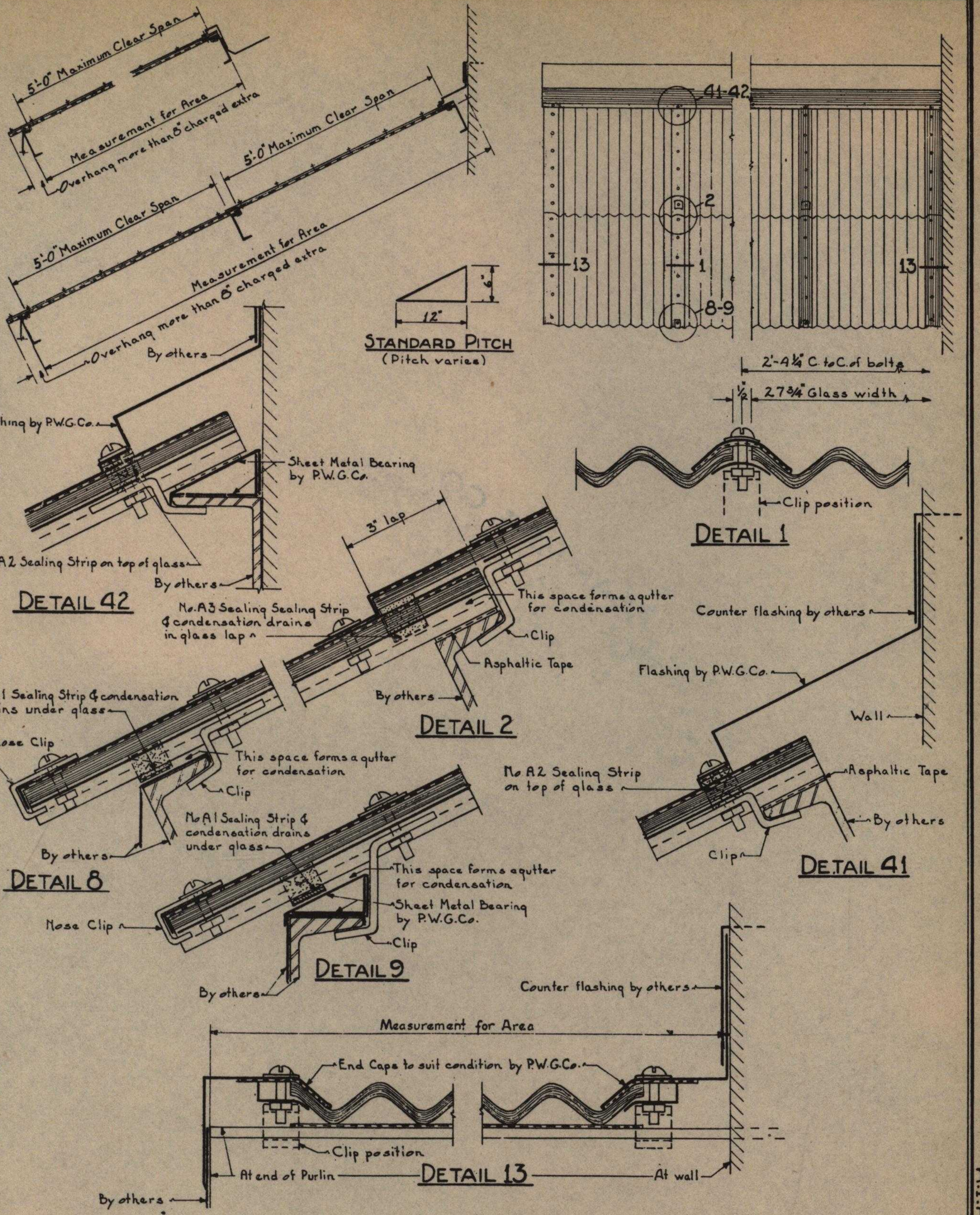
SCALE
FOR DETAILS
3" = 1'-0"

DETAILS · OF · CORRUGATED · WIRE · GLASS · SKYLIGHTS WITH · GABLE · ENDS · & · STEEL · FRAMING

MANUFACTURED · BY · PENNSYLVANIA · WIRE · GLASS · COMPANY, PHILA., PA.

PLATE NUMBER
P-101
SEPT. 1934

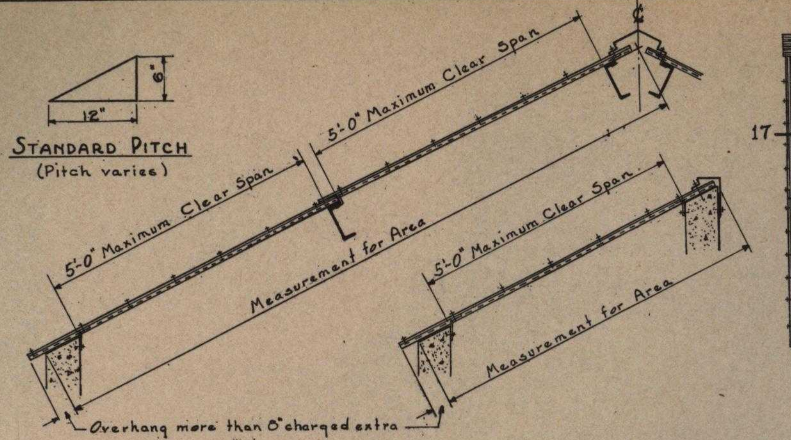
A.I.A. File No. 12J1


5'-0" Maximum Clear Span
Measurement for Area
Overhang more than 8" charged extra
5'-0" Maximum Clear Span
5'-0" Maximum Clear Span
Measurement for Area
Overhang more than 8" charged extra
By others
41-42
2
13
1
13
8-9
12"
6"
STANDARD PITCH
(Pitch varies)
2'-4¼" C. to C. of bolts
½"
27¾" Glass width
Clip position
DETAIL 1
Flashing by P.W.G.Co.
Sheet Metal Bearing by P.W.G.Co.
No. A2 Sealing Strip on top of glass
By others
DETAIL 42
3" lap
This space forms a gutter for condensation
No. A3 Sealing Sealing Strip & condensation drains in glass lap
Clip
Asphaltic Tape
By others
DETAIL 2
Counter flashing by others
Flashing by P.W.G.Co.
Wall
No. A1 Sealing Strip & condensation drains under glass
Nose Clip
This space forms a gutter for condensation
Clip
By others
DETAIL 8
No. A1 Sealing Strip & condensation drains under glass
This space forms a gutter for condensation
Sheet Metal Bearing by P.W.G.Co.
Clip
Nose Clip
By others
DETAIL 9
No. A2 Sealing Strip on top of glass
Asphaltic Tape
By others
Clip
DETAIL 41
Counter flashing by others
Measurement for Area
End Caps to suit condition by P.W.G.Co.
Clip position
At end of Purlin
DETAIL 13
At wall
By others

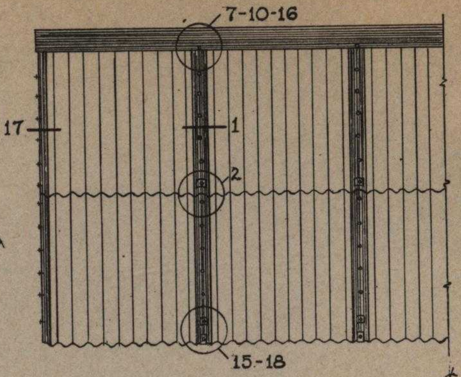
NOTE ~ PA. WIRE GLASS CO. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames. The supporting construction shown on this drawing is of mimimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼ in. diameter.

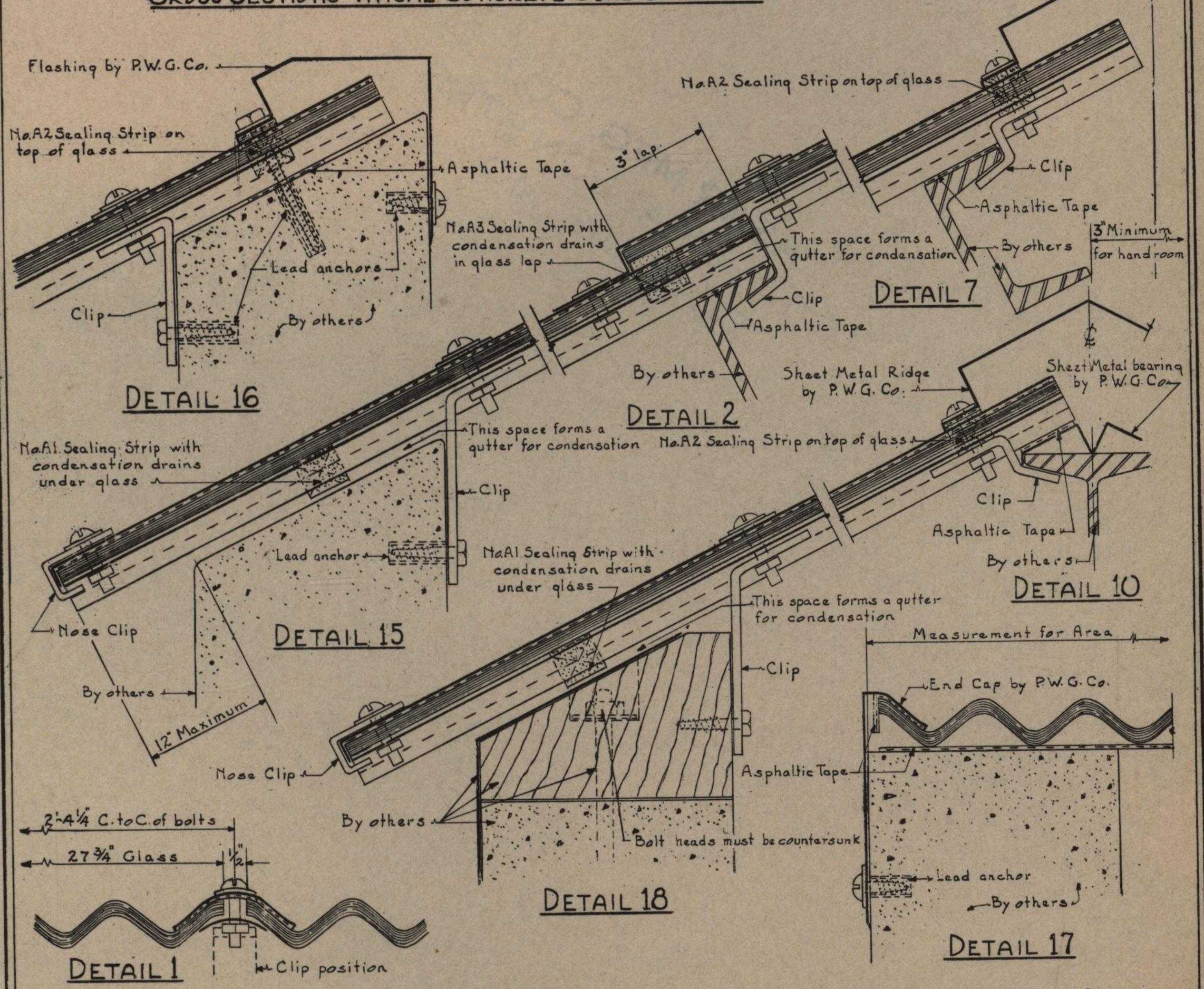
SCALE FOR DETAILS 3" = 1'-0"	DETAILS·OF·CORRUGATED·WIRE·GLASS·SKYLIGHTS SINGLE·PITCH – STEEL·CURB·FRAMING MANUFACTURED·BY·PENNSYLVANIA·WIRE·GLASS·COMPANY·PHILA., PA.	PLATE NUMBER P-102 SEPT. 1934

A.I.A. File No. 12J1



CROSS SECTIONS-TYPICAL CONCRETE CURB SKYLIGHTS





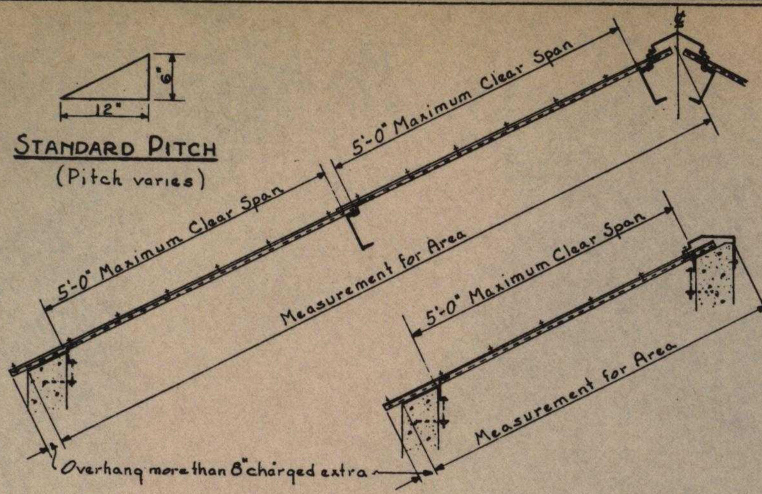
℄
Sheet Metal Ridge by P.W.G.Co.
Flashing by P.W.G.Co.
No.A2 Sealing Strip on top of glass
No.A2 Sealing Strip on top of glass
Asphaltic Tape
3" lap
Clip
Asphaltic Tape
No.A3 Sealing Strip with condensation drains in glass lap
This space forms a gutter for condensation
By others
3" Minimum for hand room
Lead anchors
Clip
By others
Clip
DETAIL 7
Asphaltic Tape
DETAIL 16
By others
℄
Sheet Metal Ridge by P.W.G.Co.
Sheet Metal bearing by P.W.G.Co.
DETAIL 2
No.A1 Sealing Strip with condensation drains under glass
This space forms a gutter for condensation
No.A2 Sealing Strip on top of glass
Clip
Clip
Asphaltic Tape
Lead anchor
No.A1 Sealing Strip with condensation drains under glass
By others
DETAIL 10
Nose Clip
DETAIL 15
This space forms a gutter for condensation
Measurement for Area
Clip
By others
End Cap by P.W.G.Co.
12" Maximum
Nose Clip
Asphaltic Tape
2'-4¼" C. to C. of bolts
By others
27¾" Glass
½"
Bolt heads must be countersunk
Lead anchor
By others
DETAIL 18
Clip position
DETAIL 17
DETAIL 1

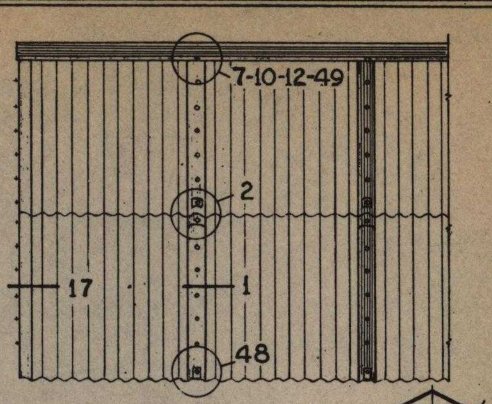
NOTE- PA. WIRE GLASS CO. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames. The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼" in diameter.

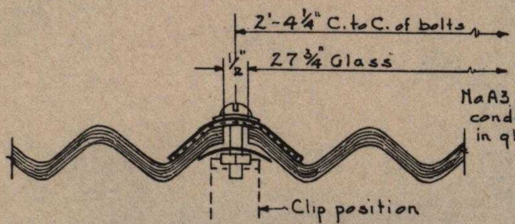
SCALE FOR DETAILS 3" = 1'-0"	DETAILS·OF·CORRUGATED·WIRE·GLASS·SKYLIGHTS WITH·CONCRETE·CURBS MANUFACTURED·BY·PENNSYLVANIA·WIRE·GLASS·COMPANY, PHILA., PA.	PLATE NUMBER P-103 SEPT. 1934

A.I.A. File No. 12J1

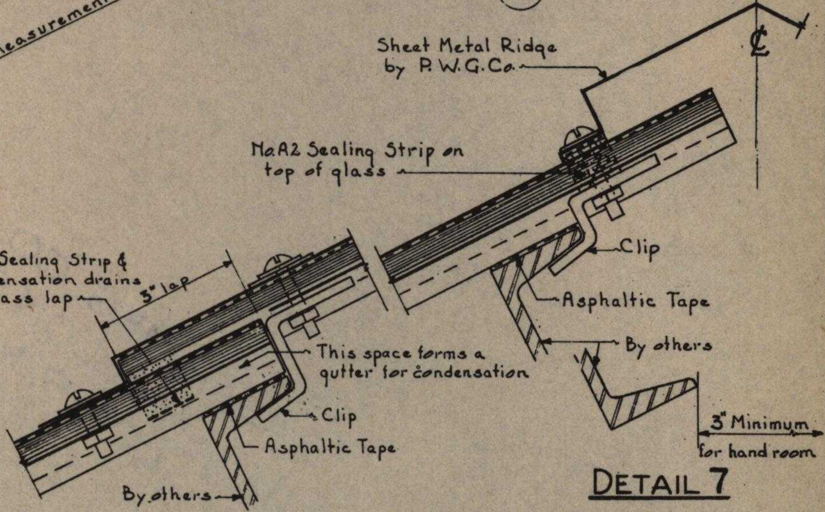
A.I.A. File No. 12J1





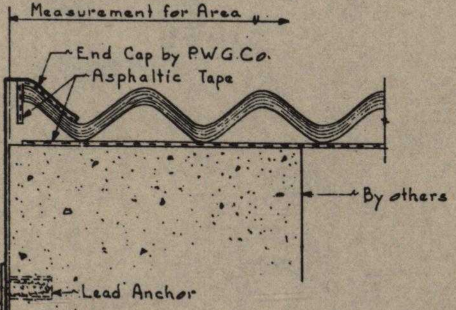


DETAIL 1

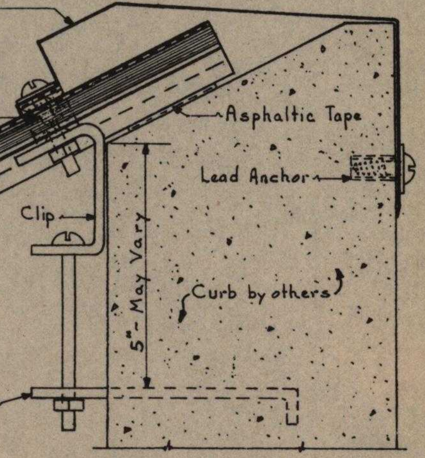

Sheet Metal Ridge by P.W.G.Co.
℄
No. A2 Sealing Strip on top of glass
No. A3 Sealing Strip & condensation drains in glass lap
3" lap
Clip
Asphaltic Tape
By others
This space forms a gutter for condensation
Clip
Asphaltic Tape
By others
3" Minimum for hand room

DETAIL 7

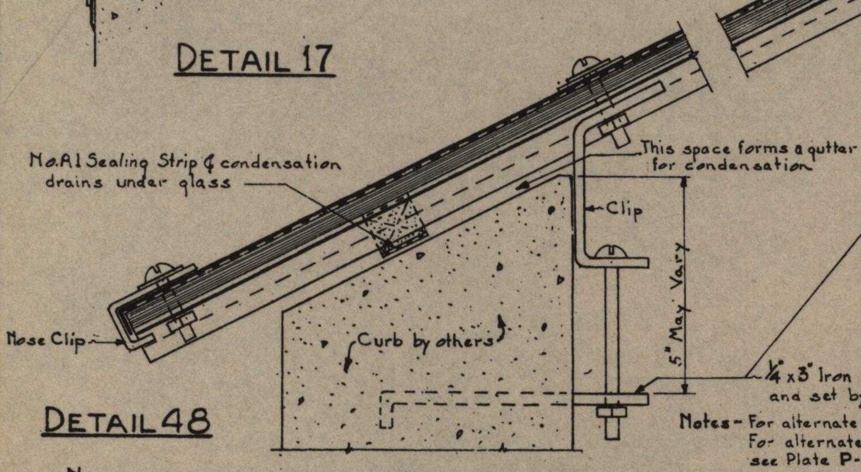
DETAIL 2



DETAIL 17



DETAIL 49


No. A1 Sealing Strip & condensation drains under glass
This space forms a gutter for condensation
Clip
Nose Clip
Curb by others
5" May Vary
¼"x3" Iron Inserts furnished by P.W.G.Co. and set by others on 2'-4¼" centers

DETAIL 48

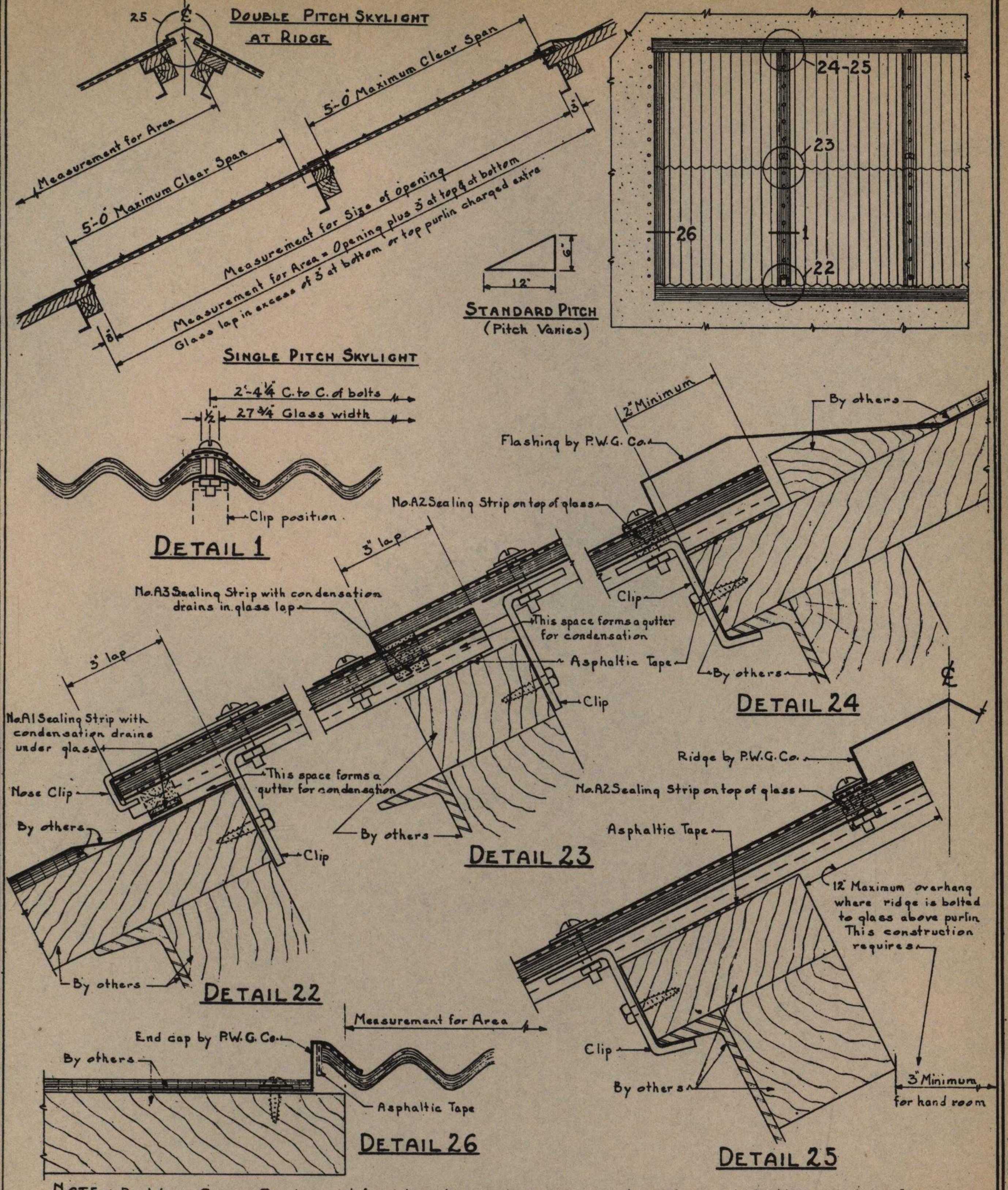
Notes ~ For alternate ridge details see Nos. 10 & 12 ~ Plate P-101
For alternate curb details, when inserts cannot be used see Plate P-103

NOTE ~ Pa. Wire Glass Co. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames. The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼" in diameter.

SCALE FOR DETAILS 3" = 1'-0"	DETAILS · OF · CORRUGATED · WIRE · GLASS · SKYLIGHTS WITH · CONCRETE · CURBS MANUFACTURED · BY · PENNSYLVANIA · WIRE · GLASS · COMPANY, PHILA., PA.	PLATE NUMBER P-104 SEPT. 1934

A.I.A. File No. 12J1

A.I.A. File No. 12J1



Double Pitch Skylight at Ridge
25
℄
5'-0" Maximum Clear Span
5'-0" Maximum Clear Span
Measurement for Area
3"
Measurement for Size of opening
Measurement for Area = Opening plus 3" at top & at bottom
Glass lap in excess of 3" at bottom or top purlin charged extra
3"
Single Pitch Skylight
6"
12"
Standard Pitch
(Pitch Varies)
24-25
23
26
1
22
2'-4¼" C. to C. of bolts
½"
27¾" Glass width
Clip position
Detail 1
2" Minimum
By others
Flashing by P.W.G. Co.
No. A2 Sealing Strip on top of glass
3" lap
No. A3 Sealing Strip with condensation drains in glass lap
This space forms a gutter for condensation
Clip
Asphaltic Tape
By others
Clip
Detail 24
3" lap
No. A1 Sealing Strip with condensation drains under glass
Nose Clip
This space forms a gutter for condensation
By others
By others
Clip
Detail 23
By others
Detail 22
℄
Ridge by P.W.G. Co.
No. A2 Sealing Strip on top of glass
Asphaltic Tape
12" Maximum overhang where ridge is bolted to glass above purlin This construction requires
Clip
By others
3" Minimum for hand room
Detail 25
Measurement for Area
End cap by P.W.G. Co.
By others
Asphaltic Tape
Detail 26

NOTE ~ PA. WIRE GLASS CO. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames. The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼" in diameter.

SCALE
FOR DETAILS
3" = 1'-0"

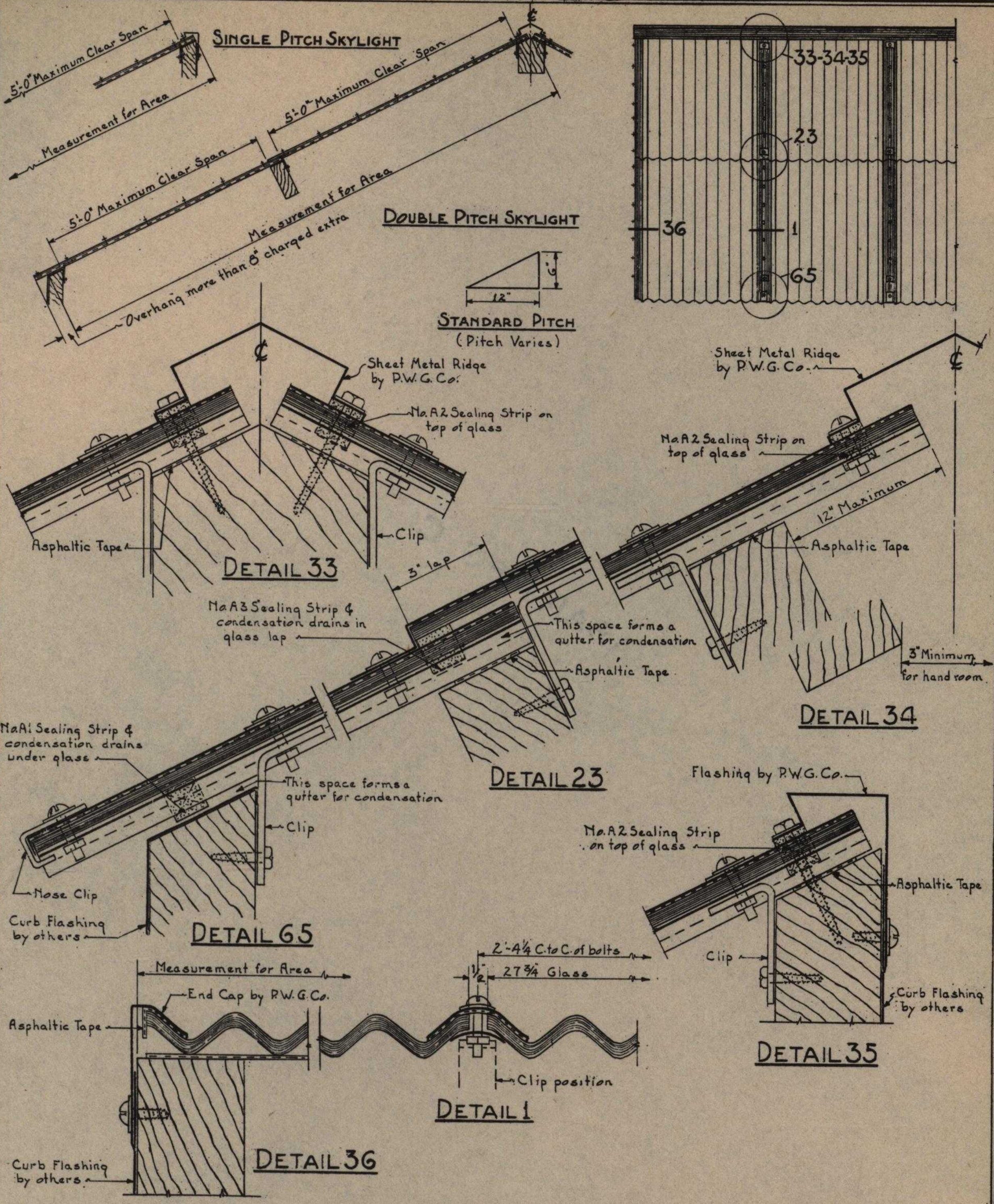
DETAILS·OF·CORRUGATED·WIRE·GLASS·SKYLIGHTS ON·WOOD-SHEATHED·ROOF

MANUFACTURED·BY·PENNSYLVANIA·WIRE·GLASS·COMPANY, PHILA., PA.

PLATE NUMBER
P-105
SEPT. 1934

A.I.A. File No. 12J1

A.I.A. File No. 12J1



NOTE ~ Pa. Wire Glass Co. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames. The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼ in diameter.

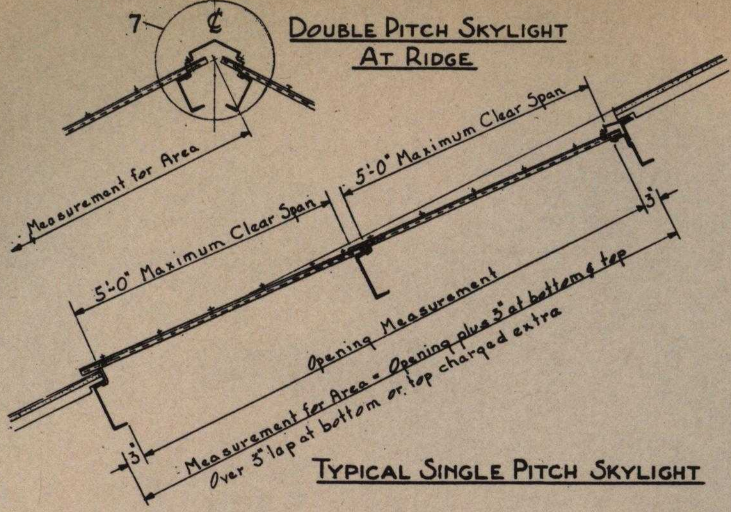
SCALE
FOR DETAILS
3" = 1'-0"

DETAILS·OF·CORRUGATED·WIRE·GLASS·SKYLIGHTS WITH·WOOD·FRAMING

MANUFACTURED·BY·PENNSYLVANIA·WIRE·GLASS COMPANY, PHILA., PA.

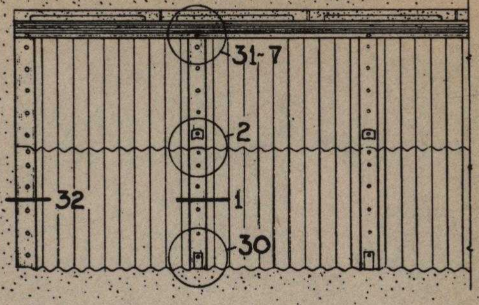
PLATE NUMBER
P-106
SEPT. 1934

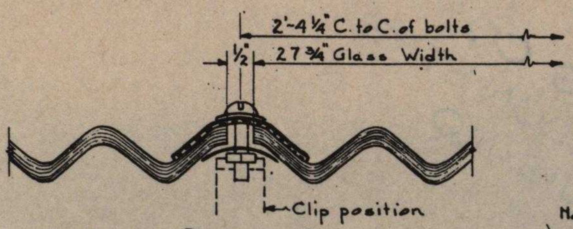
A.I.A. File No. 12J1


7
℄
Measurement for Area
5'-0" Maximum Clear Span
5'-0" Maximum Clear Span
3"
Opening Measurement
Measurement for Area = Opening plus 3" at bottom & top
Over 3" lap at bottom or top charged extra
3"

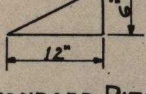
Double Pitch Skylight At Ridge

Typical Single Pitch Skylight

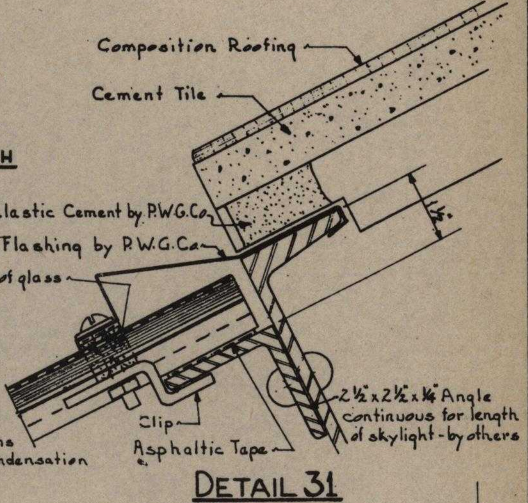




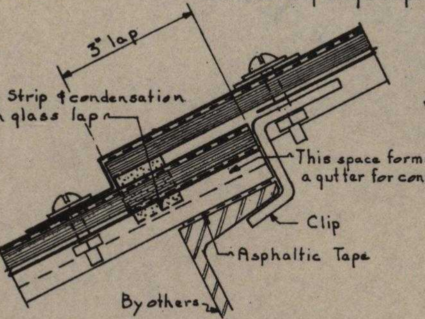
Detail 1



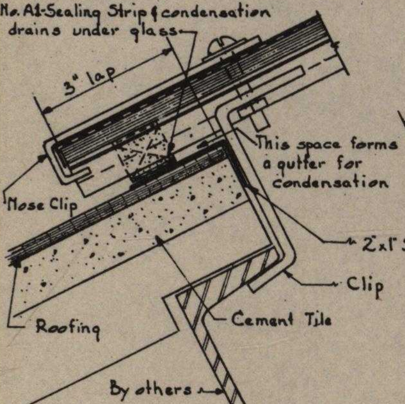
Standard Pitch
(Pitch Varies)


Composition Roofing
Cement Tile
Elastic Cement by P.W.G.Co.
Flashing by P.W.G.Co.
No. A2-Sealing Strip on top of glass
6"
2½"x2½"x¼" Angle continuous for length of skylight - by others
Clip
Asphaltic Tape

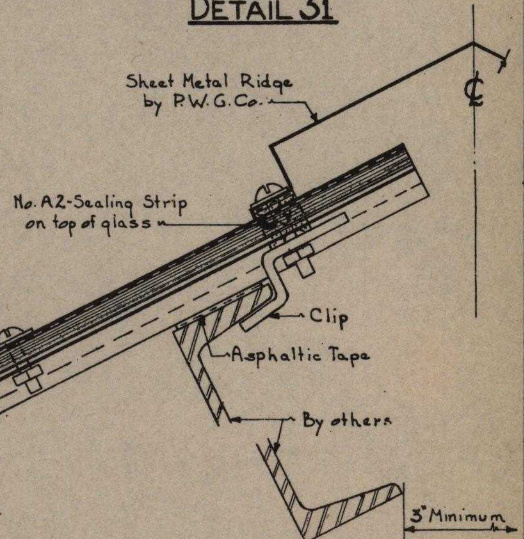
Detail 31


3" lap
No. A3-Sealing Strip & condensation drains in glass lap
This space forms a gutter for condensation
Clip
Asphaltic Tape
By others

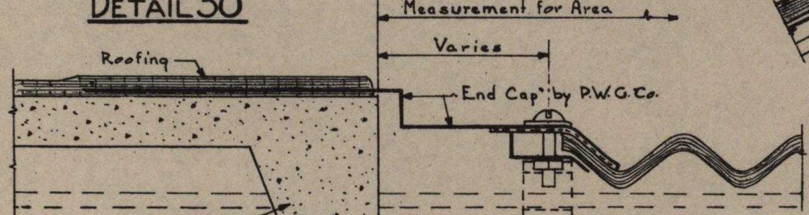
Detail 2


No. A1-Sealing Strip & condensation drains under glass
3" lap
This space forms a gutter for condensation
Nose Clip
2"x1" Sheet Metal Angle
Clip
Roofing
Cement Tile
By others

Detail 30


Sheet Metal Ridge by P.W.G.Co.
℄
No. A2-Sealing Strip on top of glass
Clip
Asphaltic Tape
By others
3" Minimum for hand room

Detail 7

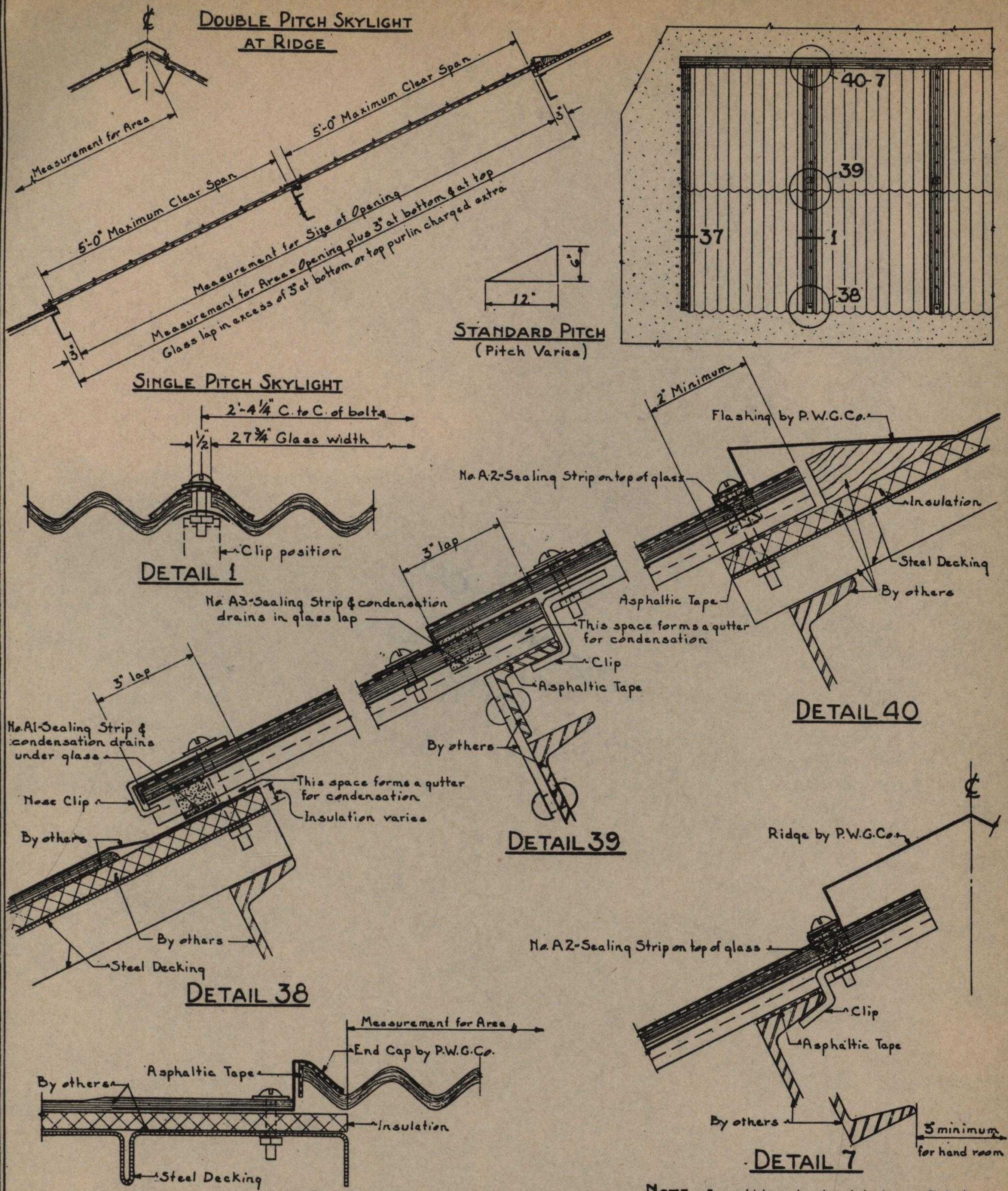


Detail 32

Note - Pa. Wire Glass Co. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames. The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼" in diameter.

SCALE FOR DETAILS 3" = 1'-0"	DETAILS·OF·CORRUGATED·WIRE·GLASS·SKYLIGHTS WITH·CEMENT·TILE·ROOFING MANUFACTURED·BY·PENNSYLVANIA·WIRE·GLASS·COMPANY·PHILA., PA.	PLATE NUMBER P-107 SEPT. 1934

A.I.A. File No. 12J1

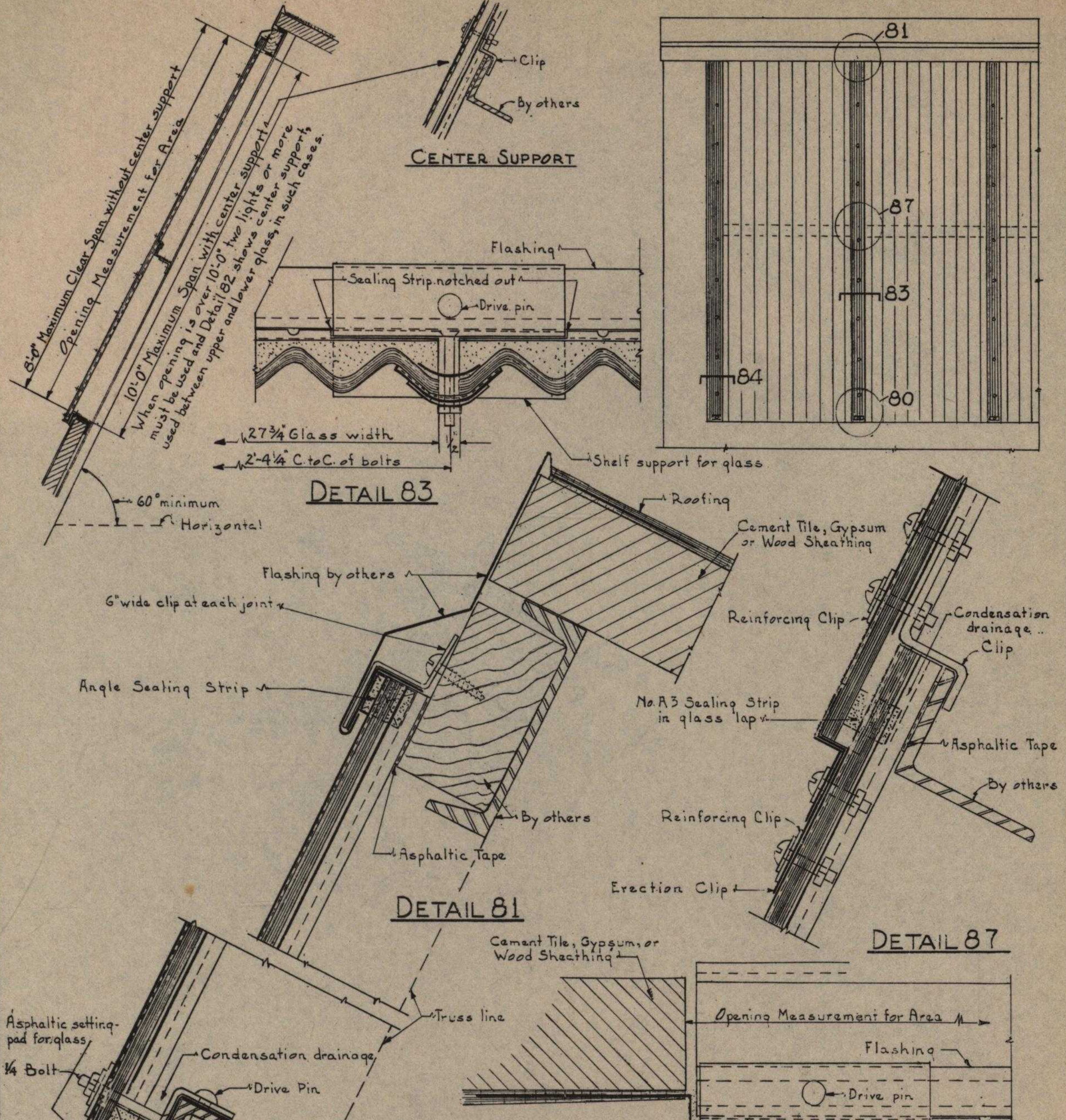


Note – For additional ridge details see Details No's 10 & 12 on Plate P-101

Note – Pa. Wire Glass Co. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames. The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼ in diameter.

SCALE FOR DETAILS 3" = 1'-0"	DETAILS·OF·CORRUGATED·WIRE·GLASS·SKYLIGHTS WITH·STEEL·DECK·ROOFING MANUFACTURED·BY·PENNSYLVANIA·WIRE·GLASS·COMPANY·PHILA., PA.	PLATE NUMBER P-108 SEPT. 1934

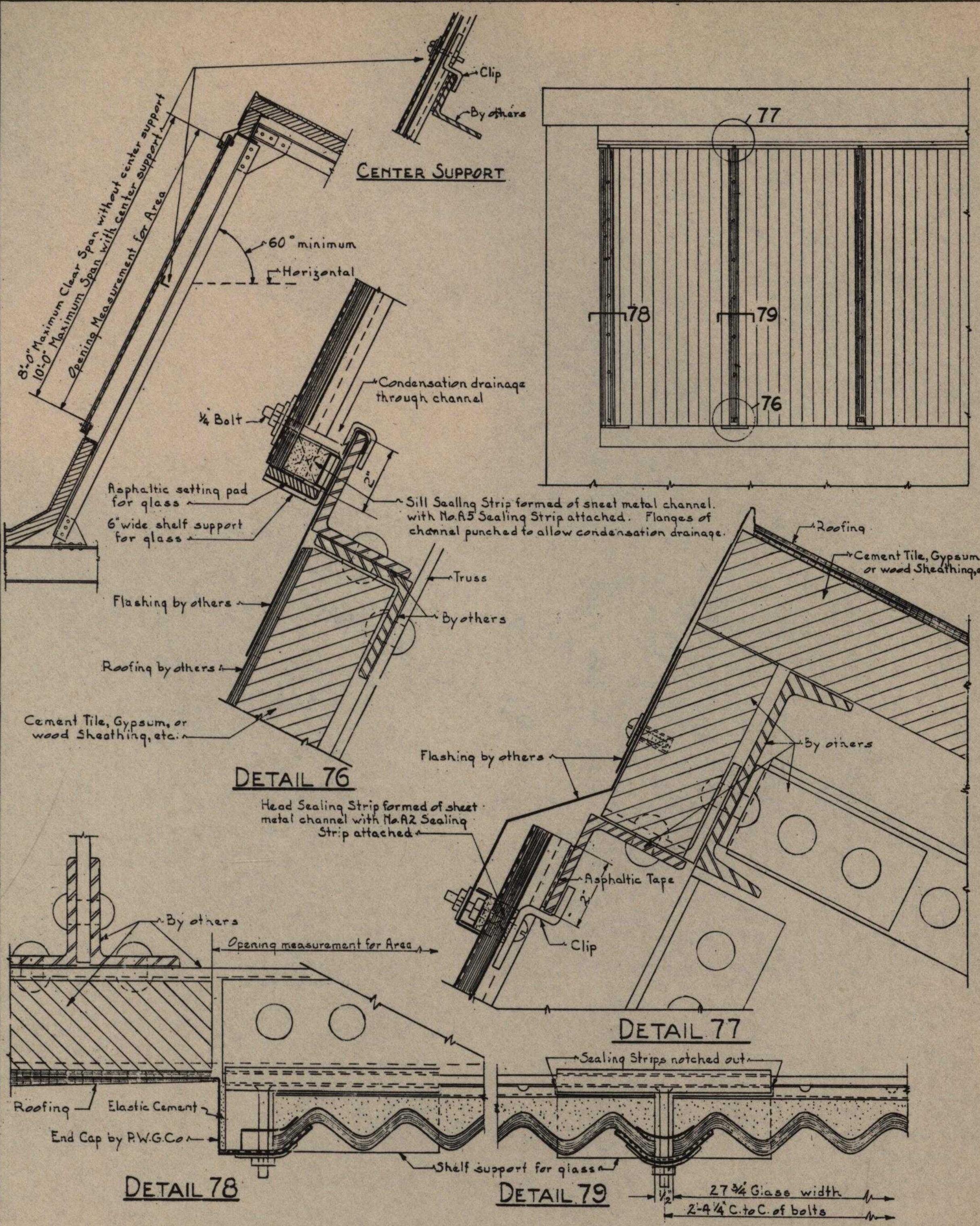
A.I.A. File No. 12J1


8'-0" Maximum Clear Span without center support
Opening Measurement for Area
10'-0" Maximum Span with center supports
When opening is over 10'-0" two lights or more must be used and Detail 82 shows center supports used between upper and lower glass, in such cases.
60° minimum
Horizontal
Clip
By others
CENTER SUPPORT
81
87
83
84
80
Flashing
Sealing Strip notched out
Drive pin
27¾ Glass width
2'-4¼" C. to C. of bolts
½
Shelf support for glass
DETAIL 83
Roofing
Cement Tile, Gypsum or Wood Sheathing
Flashing by others
6" wide clip at each joint
Angle Sealing Strip
By others
Asphaltic Tape
DETAIL 81
Reinforcing Clip
Condensation drainage
Clip
No. A3 Sealing Strip in glass lap
Asphaltic Tape
By others
Reinforcing Clip
Erection Clip
DETAIL 87
Cement Tile, Gypsum, or Wood Sheathing
Opening Measurement for Area
Flashing
Drive pin
Shelf support for glass
Elastic Cement
End Cap by P.W.G.Co.
DETAIL 84
Truss line
Asphaltic setting pad for glass
¼ Bolt
Condensation drainage
Drive Pin
Sill Sealing Strip formed of sheet metal channel with No. A5 Sealing Strip attached. Flanges of channel punched to allow condensation drainage
6" wide shelf support for glass
Flashing by others
Roofing
By others
DETAIL 80

NOTE – Pa. Wire Glass Co. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames. The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼" in diameter.

SCALE FOR DETAILS 3" = 1'-0"	DETAILS·OF·CORRUGATED·WIRE·GLASS·SKYLIGHTS WITH·STEEL·SAWTOOTH·FRAMING MANUFACTURED·BY·PENNSYLVANIA·WIRE·GLASS·COMPANY·PHILA., PA.	PLATE NUMBER· P-109 SEPT. 1934

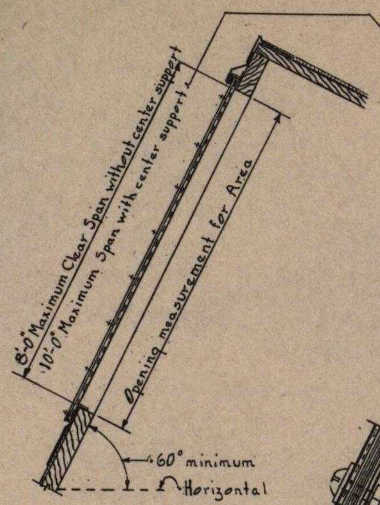
A.I.A. File No. 12 J 1

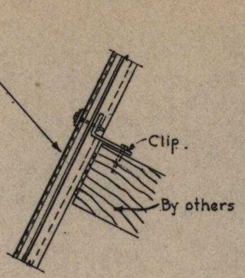

Clip
By others
Center Support
77
8'-0" Maximum Clear Span without center support
10'-0" Maximum Span with center support
Opening Measurement for Area
60° minimum
Horizontal
Condensation drainage through channel
¼ Bolt
2"
Asphaltic setting pad for glass
6" wide shelf support for glass
Sill Sealing Strip formed of sheet metal channel. with No. A5 Sealing Strip attached. Flanges of channel punched to allow condensation drainage.
78
79
76
Truss
By others
Flashing by others
Roofing by others
Cement Tile, Gypsum, or wood Sheathing, etc.
Detail 76
Roofing
Cement Tile, Gypsum or wood Sheathing, etc.
By others
Flashing by others
Head Sealing Strip formed of sheet metal channel with No. A2 Sealing Strip attached
Asphaltic Tape
2"
Clip
Detail 77
By others
Opening measurement for Area
Roofing
Elastic Cement
End Cap by P.W.G.Co.
Shelf support for glass
Detail 78
Sealing Strips notched out
Detail 79
½"
27 ¾ Glass width
2'-4 ¼" C. to C. of bolts

NOTE ~ Pa. Wire Glass Co. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames. The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼ in diameter.

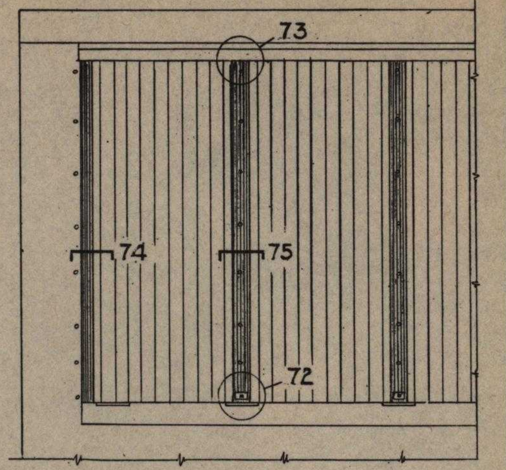
SCALE FOR DETAILS 3" = 1'-0"	DETAILS · OF · CORRUGATED · WIRE · GLASS · SKYLIGHTS WITH · STEEL · SAWTOOTH · FRAMING MANUFACTURED · BY · PENNSYLVANIA · WIRE · GLASS · COMPANY · PHILA., PA.	PLATE NUMBER P-110 SEPT. 1934

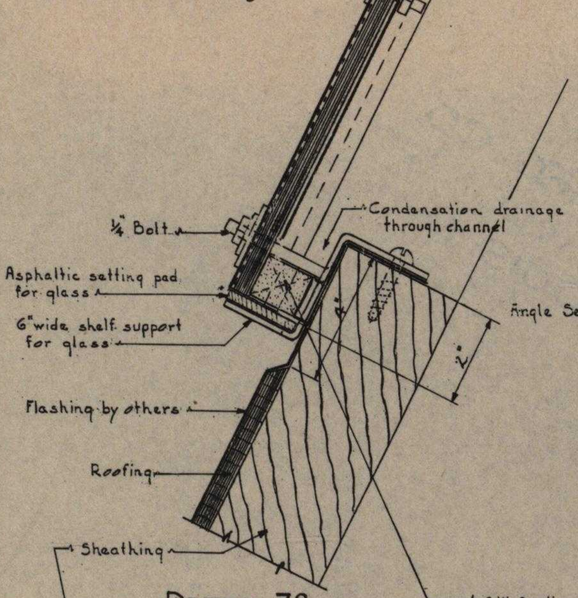
A.I.A. File No. 12 J 1


8'-0" Maximum Clear Span without center support
10'-0" Maximum Span with center support
Opening measurement for Area
60° minimum
Horizontal

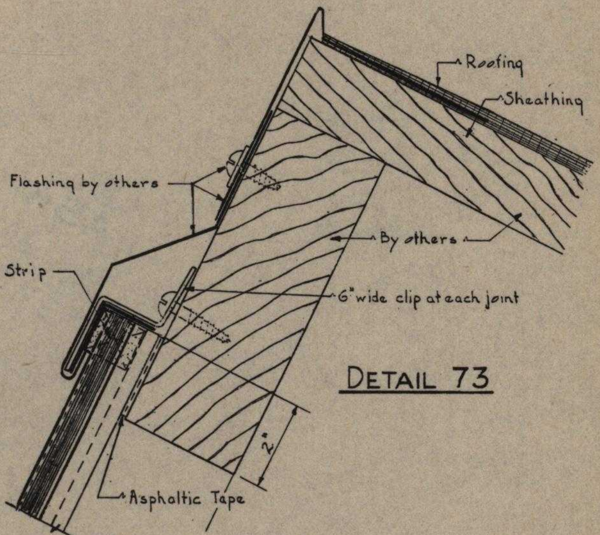


CENTER SUPPORT



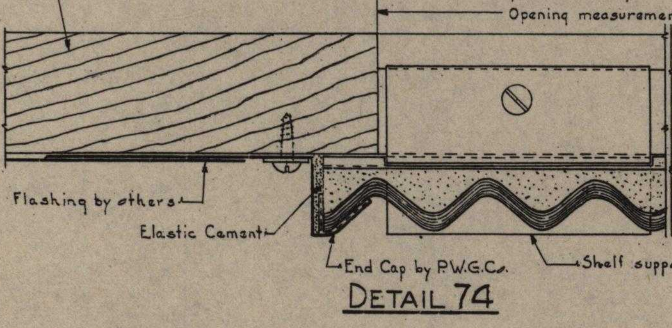

¼ Bolt
Condensation drainage through channel
Asphaltic setting pad for glass
6" wide shelf support for glass
2"
Flashing by others
Roofing
Sheathing

DETAIL 72

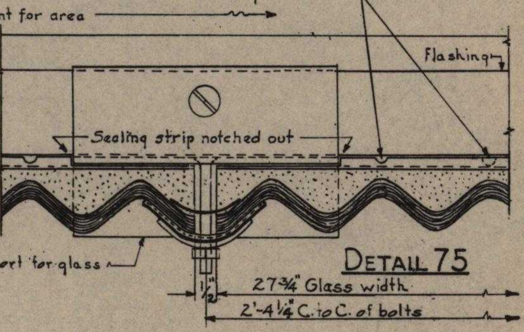


DETAIL 73

Sill Sealing Strip formed of sheet metal channel with N.o R.5 Sealing Strip attached. Flanges of channel punched to allow condensation drainage



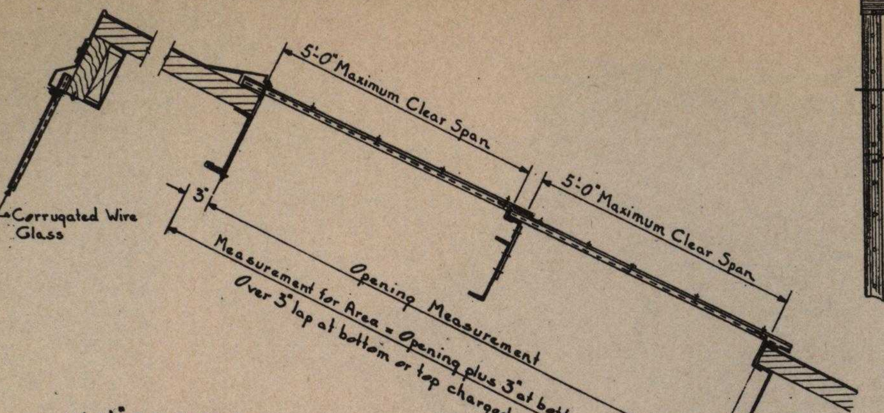
DETAIL 74

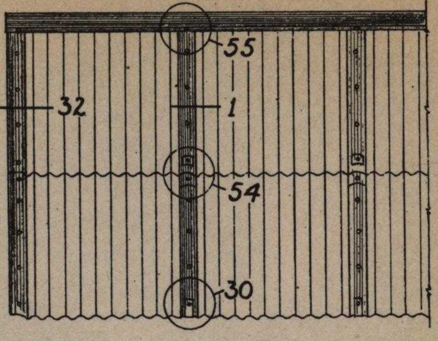


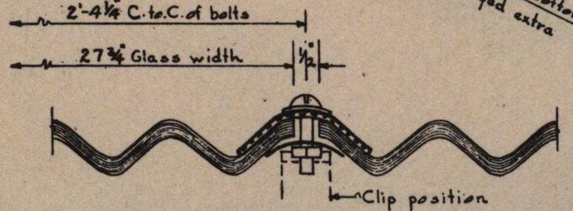
DETAIL 75

NOTE – Pa. Wire Glass Co. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames. The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼ in diameter.

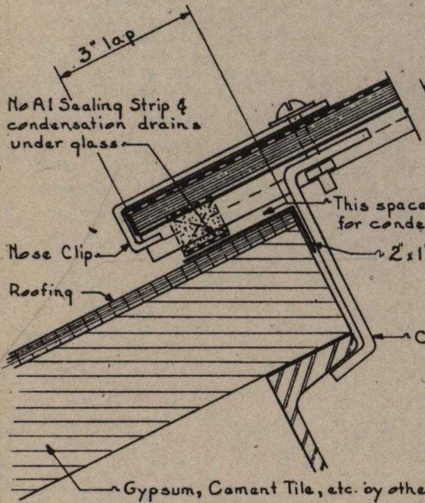
SCALE FOR DETAILS 3" = 1'-0"	DETAILS · OF · CORRUGATED · WIRE · GLASS · SKYLIGHTS WITH · WOOD · SAWTOOTH · FRAMING MANUFACTURED · BY · PENNSYLVANIA · WIRE · GLASS · COMPANY · PHILA., PA.	PLATE NUMBER P-111 SEPT. 1934


Corrugated Wire Glass
5'-0" Maximum Clear Span
5'-0" Maximum Clear Span
3"
Opening Measurement
Measurement for Area = Opening plus 3" at bottom & top
Over 3" lap at bottom or top charged extra
3"

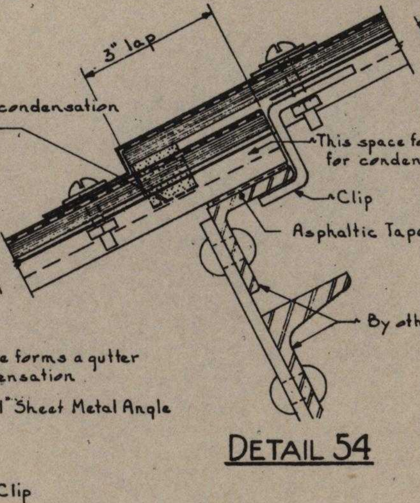




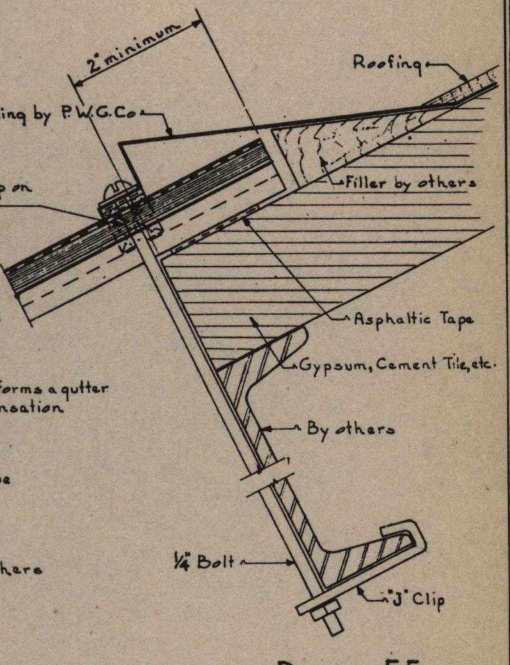
DETAIL 1


3" lap
No. A1 Sealing Strip & condensation drains under glass
This space forms a gutter for condensation
Nose Clip
2"x1" Sheet Metal Angle
Roofing
Clip
Gypsum, Cement Tile, etc. by others

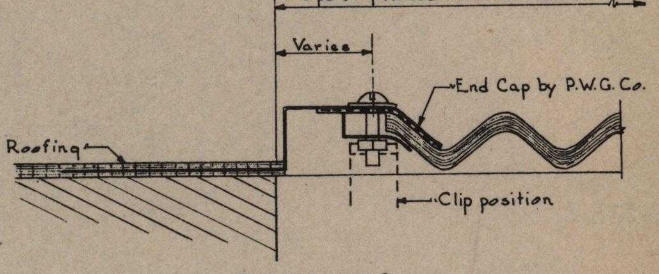
DETAIL 30


3" lap
No. A3 Sealing Strip & condensation drains in glass lap
This space forms a gutter for condensation
Clip
Asphaltic Tape
By others

DETAIL 54



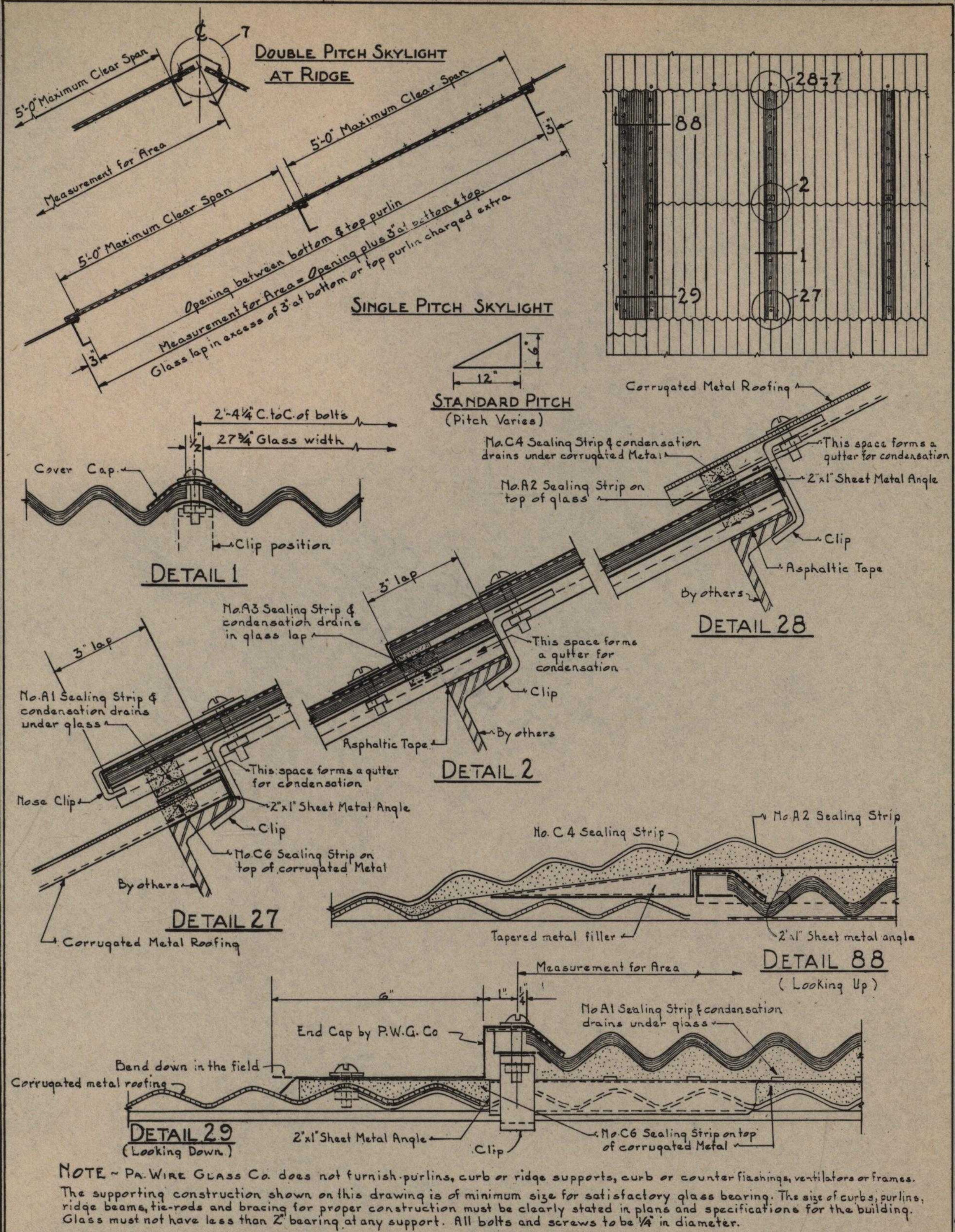
DETAIL 55



DETAIL 32

NOTE – PA. WIRE GLASS CO. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames. The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼ in diameter.

SCALE FOR DETAILS 3" = 1'-0"	DETAILS·OF·CORRUGATED·WIRE·GLASS·SKYLIGHTS USED·ON·BACK·SLOPES·OF·SAWTOOTHS MANUFACTURED·BY·PENNSYLVANIA·WIRE·GLASS·COMPANY·PHILA., PA.	PLATE NUMBER P-112 SEPT. 1934



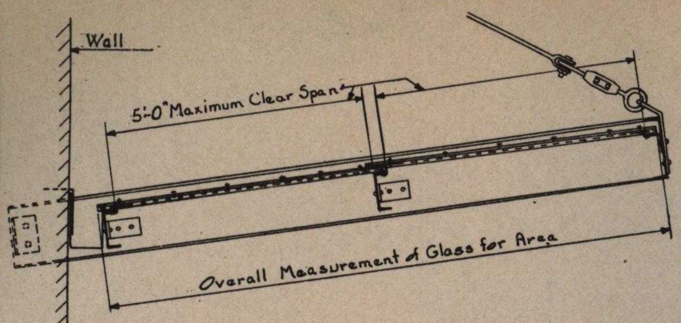
NOTE ~ Pa. Wire Glass Co. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames.
The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼" in diameter.

SCALE
FOR DETAILS
3" = 1'-0"

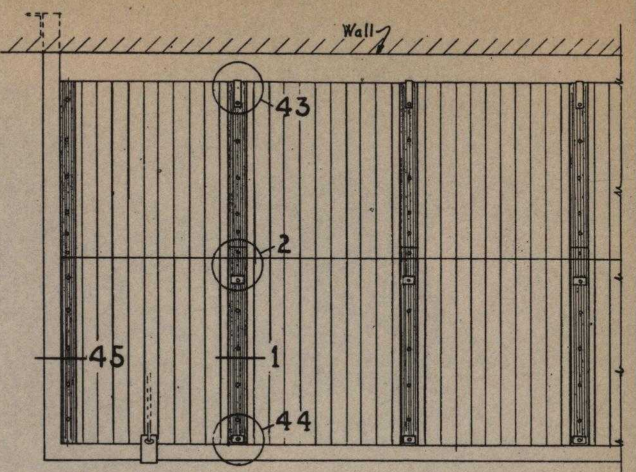
DETAILS OF CORRUGATED WIRE GLASS SKYLIGHTS WITH CORRUGATED SHEET METAL ROOFING

MANUFACTURED BY PENNSYLVANIA WIRE GLASS COMPANY · PHILA., PA.

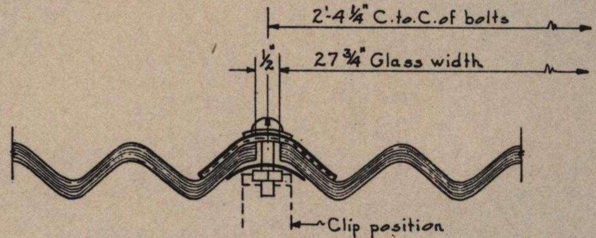
PLATE NUMBER
P-113
SEPT. 1934



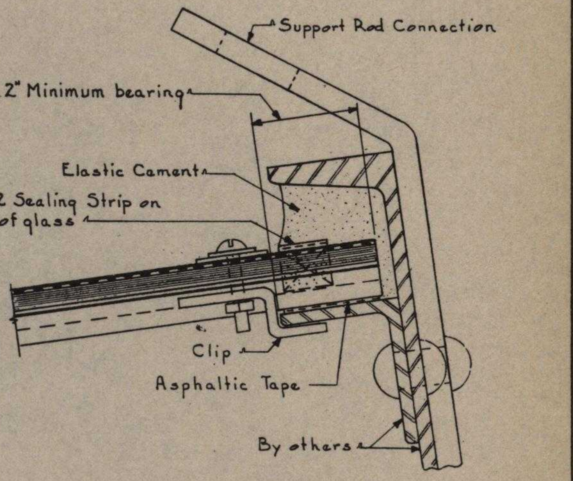
CROSS SECTION — TYPICAL MARQUISE



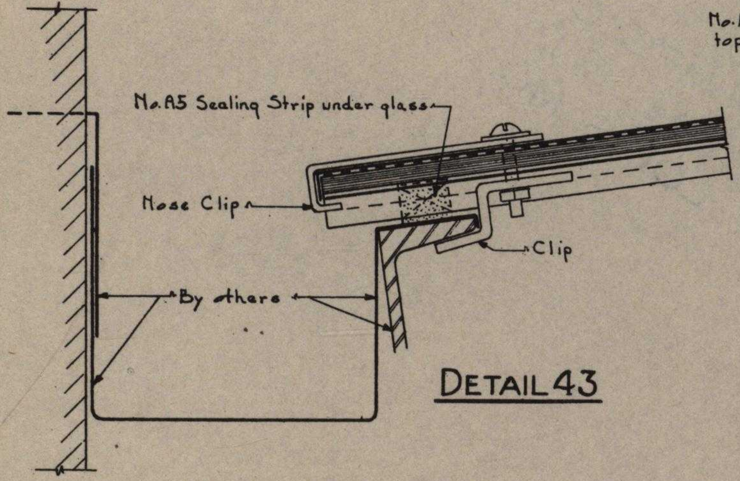
PLAN



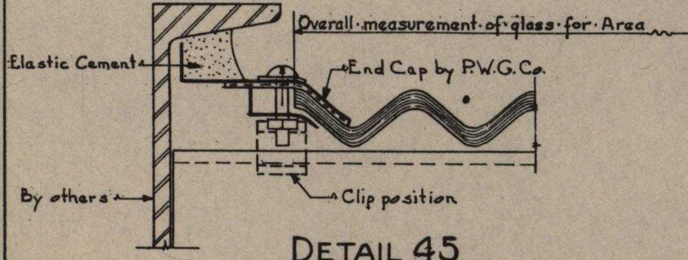
DETAIL 1



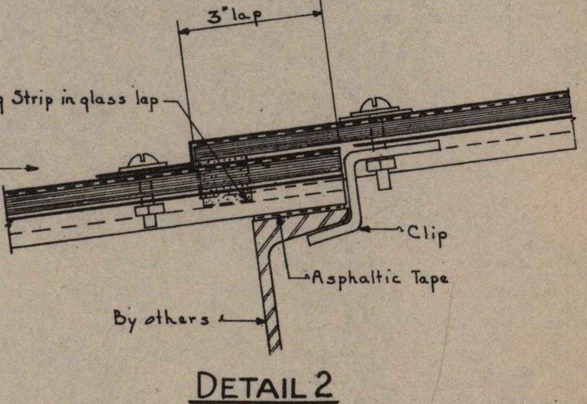
DETAIL 44



DETAIL 43



DETAIL 45



DETAIL 2

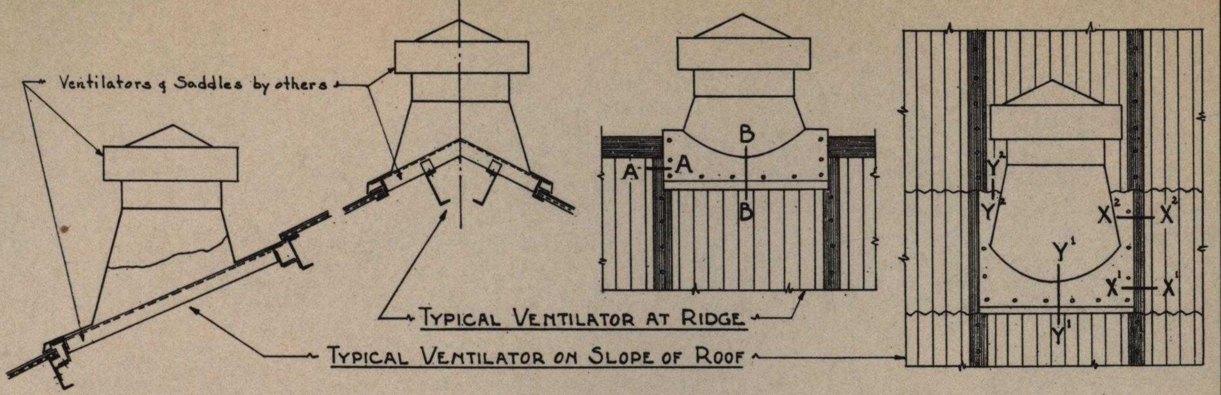
NOTE — PA. WIRE GLASS CO. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames. The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼ in diameter.

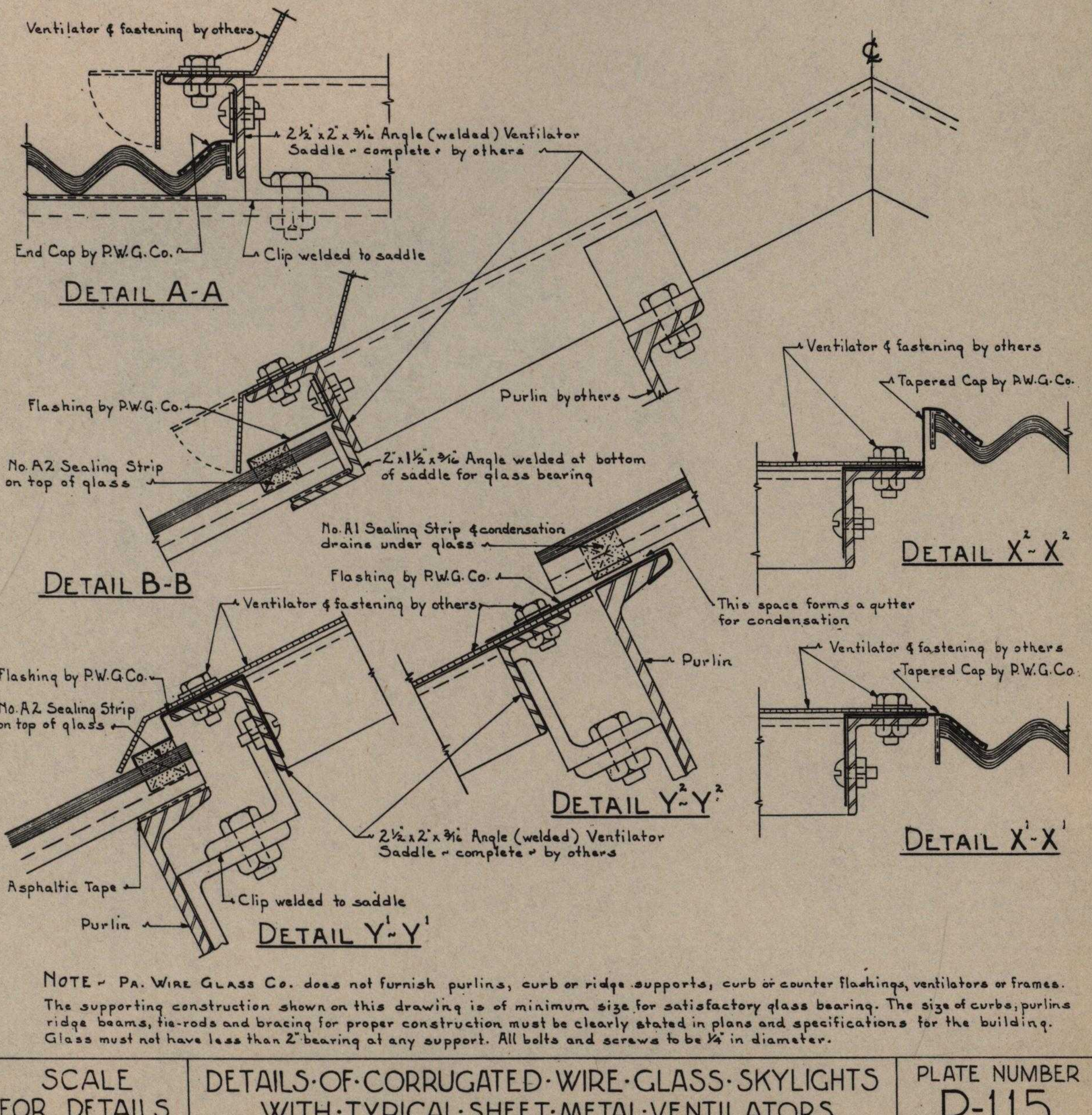
SCALE
FOR DETAILS
3" = 1'-0"

DETAILS · OF · CORRUGATED · WIRE · GLASS
USED · IN · STEEL · FRAMED · MARQUISE
MANUFACTURED · BY · PENNSYLVANIA · WIRE · GLASS · COMPANY, PHILA., PA.

PLATE NUMBER
P-114
SEPT. 1934

A.I.A. FILE No. 12J1

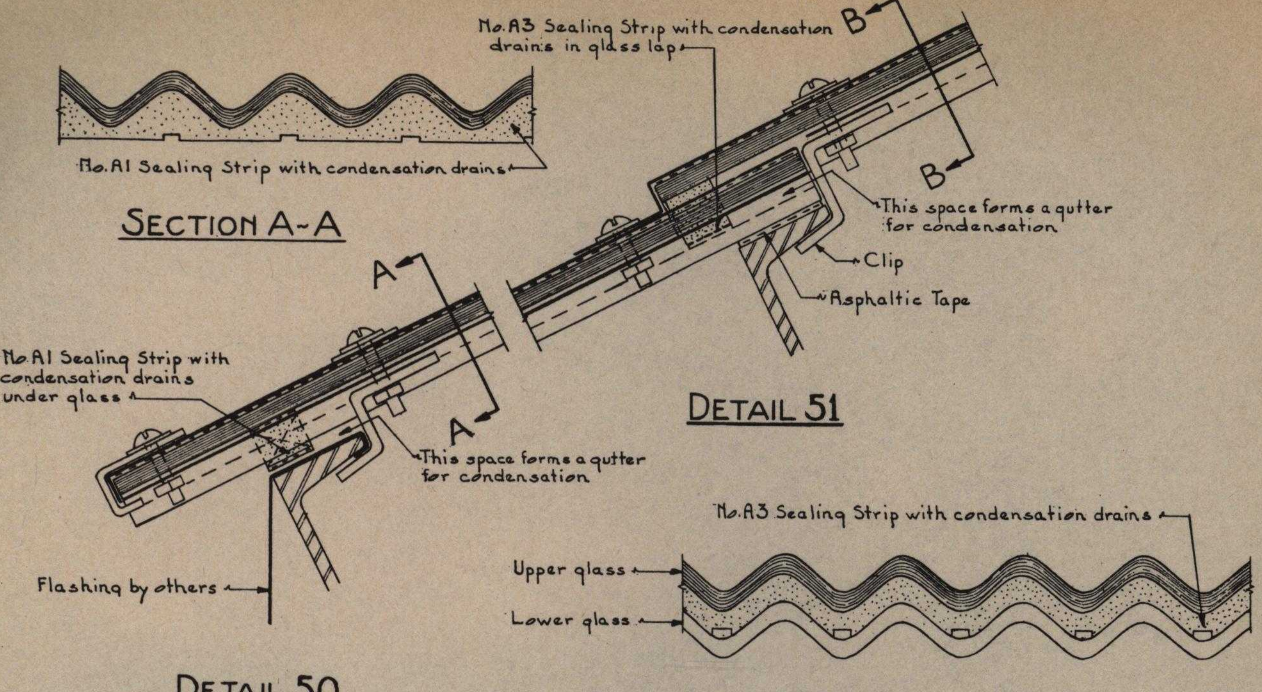

Ventilators & Saddles by others
A
A
B
B
Y2
Y2
X2
X2
Y1
Y1
X1
X1
Typical Ventilator at Ridge
Typical Ventilator on Slope of Roof


Ventilator & fastening by others
2½" x 2" x 3/16" Angle (welded) Ventilator Saddle - complete - by others
End Cap by P.W.G. Co.
Clip welded to saddle
Detail A-A
℄
Purlin by others
Flashing by P.W.G. Co.
No. A2 Sealing Strip on top of glass
2" x 1½" x 3/16" Angle welded at bottom of saddle for glass bearing
Detail B-B
Ventilator & fastening by others
Tapered Cap by P.W.G. Co.
Detail X2-X2
No. A1 Sealing Strip & condensation drains under glass
Flashing by P.W.G. Co.
This space forms a gutter for condensation
Ventilator & fastening by others
Purlin
Flashing by P.W.G. Co.
No. A2 Sealing Strip on top of glass
Detail Y2-Y2
Ventilator & fastening by others
Tapered Cap by P.W.G. Co.
Detail X1-X1
2½" x 2" x 3/16" Angle (welded) Ventilator Saddle - complete - by others
Asphaltic Tape
Clip welded to saddle
Purlin
Detail Y1-Y1

NOTE - PA. WIRE GLASS CO. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames. The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼" in diameter.

SCALE FOR DETAILS 3" = 1'-0"	DETAILS·OF·CORRUGATED·WIRE·GLASS·SKYLIGHTS WITH·TYPICAL·SHEET·METAL·VENTILATORS MANUFACTURED·BY·PENNSYLVANIA·WIRE·GLASS·COMPANY, PHILA., PA.	PLATE NUMBER P-115 SEPT. 1934

A.I.A. FILE No. 12J1


No. A3 Sealing Strip with condensation drains in glass lap
B
B
No. A1 Sealing Strip with condensation drains
This space forms a gutter for condensation
Clip
Asphaltic Tape
A
A
No. A1 Sealing Strip with condensation drains under glass
This space forms a gutter for condensation
Flashing by others
No. A3 Sealing Strip with condensation drains
Upper glass
Lower glass

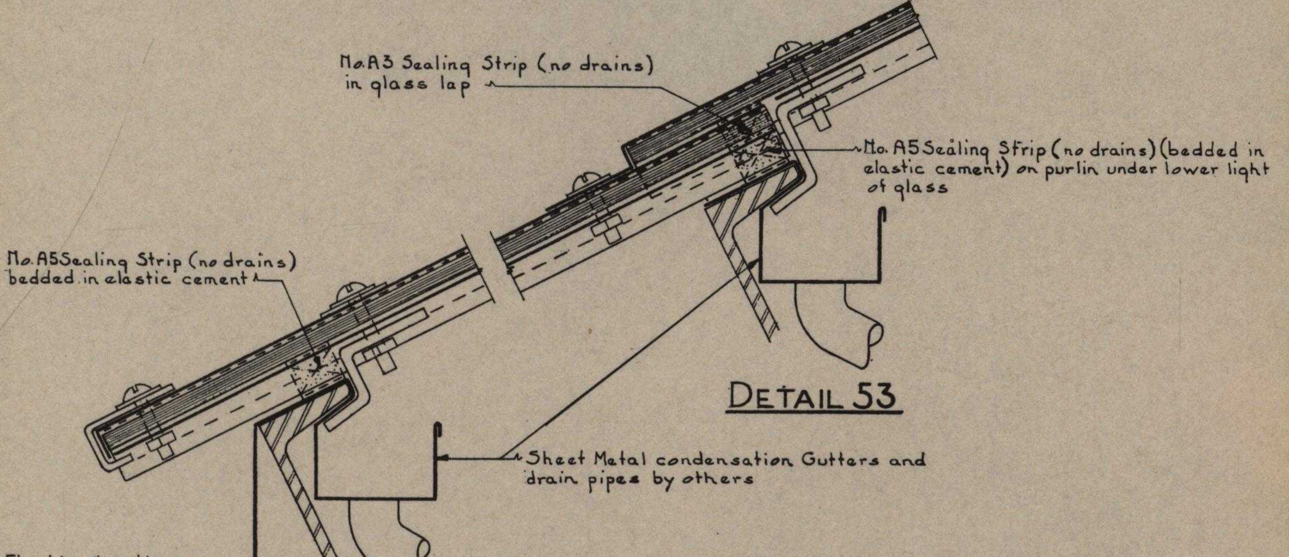
SECTION A~A

DETAIL 51

DETAIL 50

SECTION B~B

METHOD OF DRAINING CONDENSATION THROUGH DRAINAGE TUBES


No. A3 Sealing Strip (no drains) in glass lap
No. A5 Sealing Strip (no drains) (bedded in elastic cement) on purlin under lower light of glass
No. A5 Sealing Strip (no drains) bedded in elastic cement
Sheet Metal condensation Gutters and drain pipes by others
Flashing by others

DETAIL 53

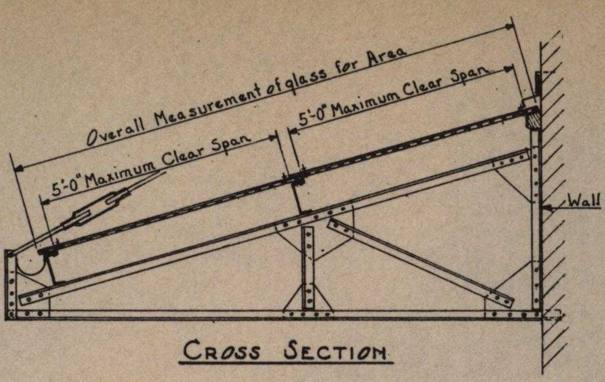
DETAIL 52

METHOD OF COLLECTING CONDENSATION BY MEANS OF GUTTERS

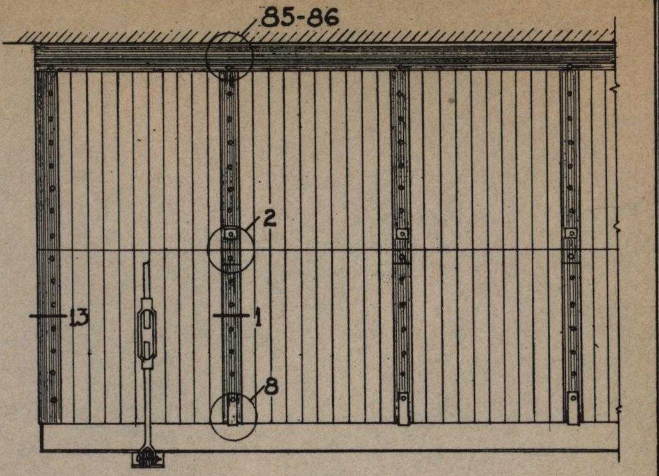
NOTE~ PA. WIRE GLASS CO. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames.

The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be 1/4 in diameter.

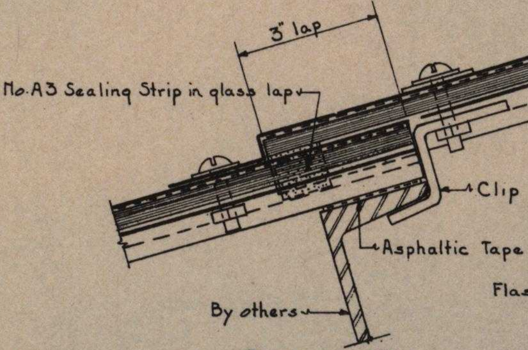
SCALE FOR DETAILS 3" = 1'-0"	DETAILS·OF·CORRUGATED·WIRE·GLASS·SKYLIGHTS METHODS·OF·DRAINING·CONDENSATION MANUFACTURED·BY·PENNSYLVANIA·WIRE·GLASS·COMPANY·PHILA., PA.	PLATE NUMBER P-116 SEPT. 1934



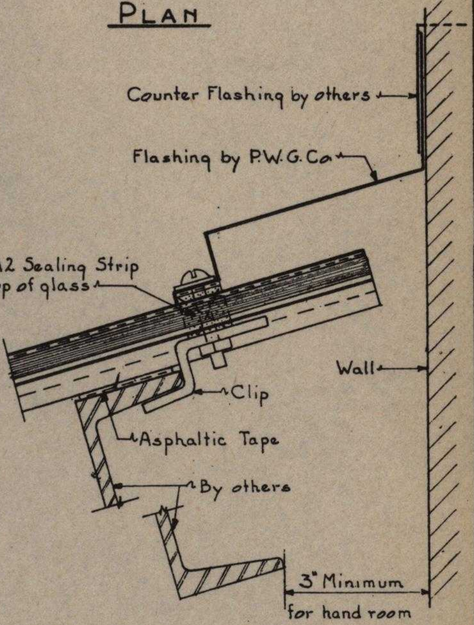
CROSS SECTION



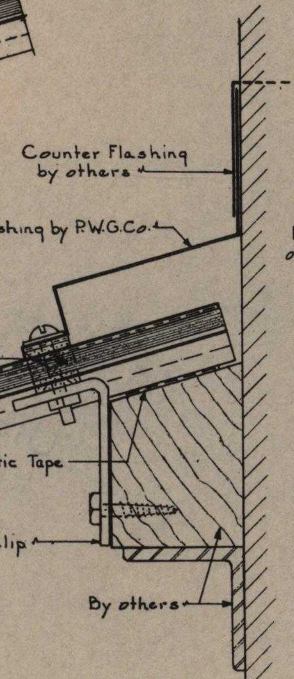
PLAN

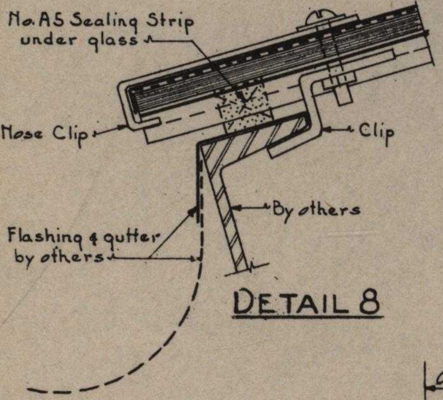


DETAIL 2



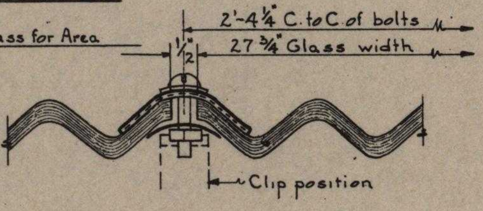
DETAIL 86

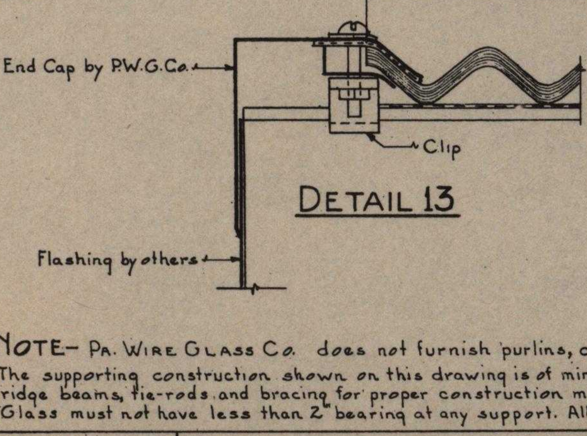

Counter Flashing by others
Flashing by P.W.G.Co.
No. A2 Sealing Strip on top of glass
Asphaltic Tape
Clip
By others



DETAIL 8

DETAIL 85





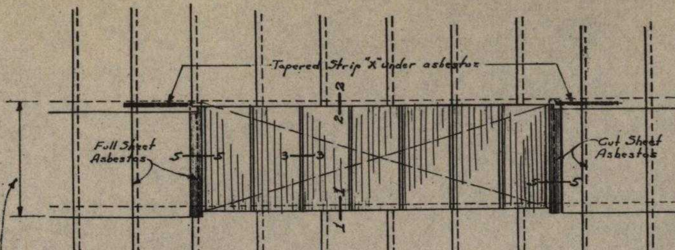
DETAIL 13

DETAIL 1

NOTE– PA. WIRE GLASS CO. does not furnish purlins, curb or ridge supports, curb or counter flashings, ventilators or frames. The supporting construction shown on this drawing is of minimum size for satisfactory glass bearing. The size of curbs, purlins, ridge beams, tie-rods and bracing for proper construction must be clearly stated in plans and specifications for the building. Glass must not have less than 2" bearing at any support. All bolts and screws to be ¼ in diameter.

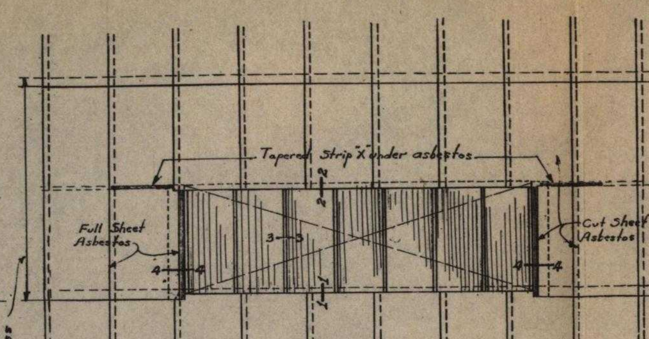
SCALE FOR DETAILS 3" – 1'-0"	DETAILS · OF · CORRUGATED · WIRE · GLASS · SKYLIGHTS STEEL · FRAME · CANOPIES MANUFACTURED · BY · PENNSYLVANIA · WIRE · GLASS · COMPANY · PHILA., PA.	PLATE NUMBER P-117 SEPT. 1934

TOP ROW — shows skylights starting at edge of full sheet of asbestos when skylights are placed at random and have no definite location or relation to trusses, bay-centers, etc.



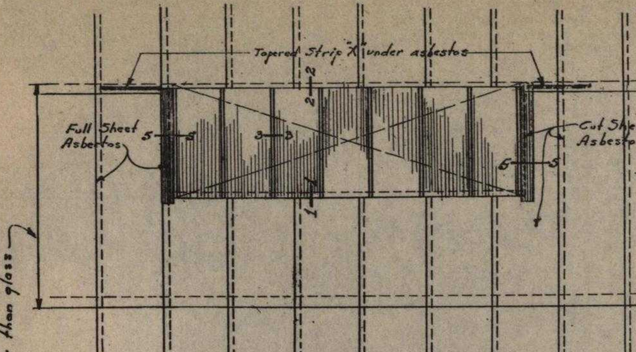
SKYLIGHT TYPE "R"

Asbestos sheets at end of skylight same length as glass.



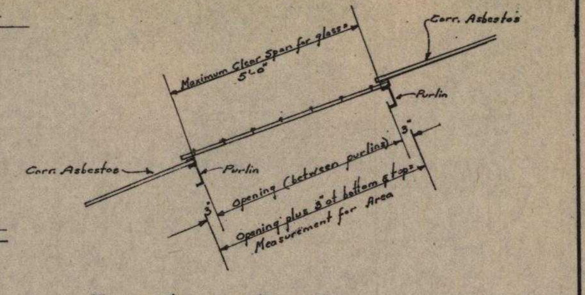
SKYLIGHT TYPE "S"

Asbestos sheets longer than glass and glass placed at bottom.



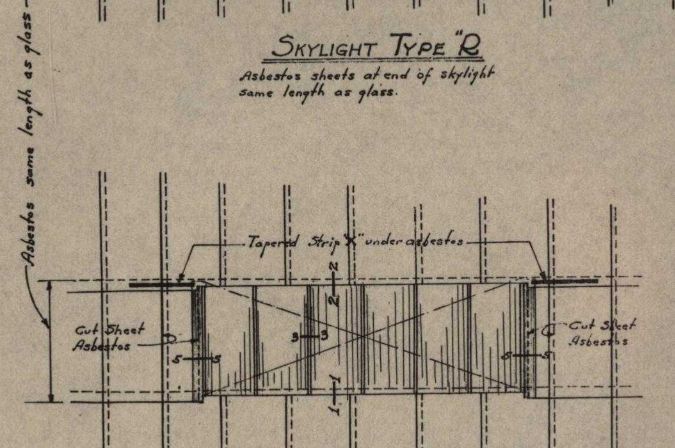
SKYLIGHT TYPE "T"

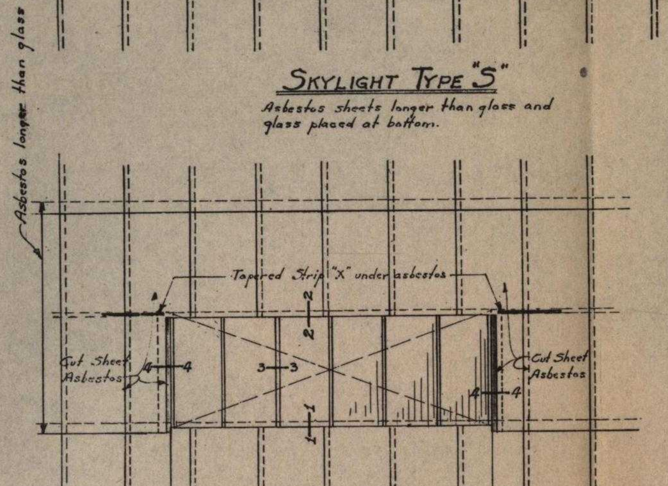
Asbestos sheets longer than glass and glass placed at top.

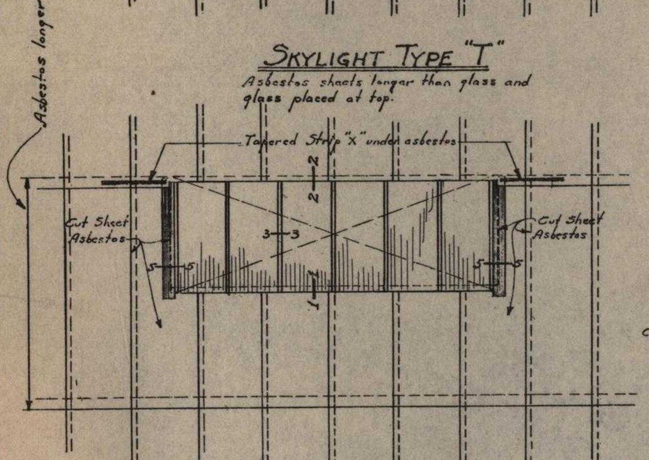

Maximum Clear Span for glass = 5'-0"
Corr. Asbestos
Purlin
Corr. Asbestos
Purlin
3"
3"
Opening (between purlins)
Opening plus 3" at bottom & top = Measurement for Area

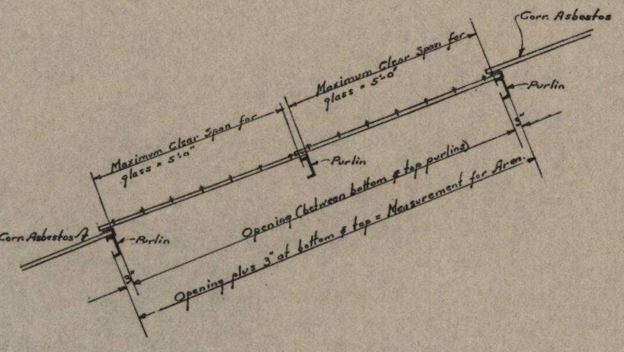
TYPICAL SKYLIGHT CROSS SECTION

(One Run of Glass)


Asbestos same length as glass
Tapered Strip "X" under asbestos
Cut Sheet Asbestos
Cut Sheet Asbestos
1
2
3
5






Corr. Asbestos
Maximum Clear Span for glass = 5'-0"
Maximum Clear Span for glass = 5'-0"
Purlin
Purlin
Corr. Asbestos
Purlin
3"
3"
Opening (between bottom & top purlins)
Opening plus 3" at bottom & top = Measurement for Area

TYPICAL SKYLIGHT CROSS SECTION

(More than one run of glass)

NOTE

Length (Measure. for Area) of Types R, S, & T skylights varies in multiples of 2'-4¼" which is the glass joint-spacing for standard 27¾" wide glass

BOTTOM ROW — shows skylights set in openings cut in asbestos with cut sheets at each end as often happens when skylights must be located definitely with relation to trusses, etc.

The Maximum and Minimum spacing of asbestos with relation to the end of skylight (glass) is indicated. These distances apply when the asbestos sheet is cut so as to end either "up" or "down" and permit proper placing of end cover caps.

NOTE

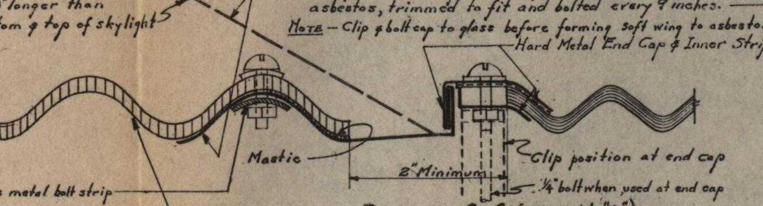
Soft metal wing is made 3" longer than hard metal cap at both bottom & top of skylight

The end cap connecting glass and asbestos is formed of two parts, viz.—

① a hard metal cap & inner strip which hold the glass firmly in place and,

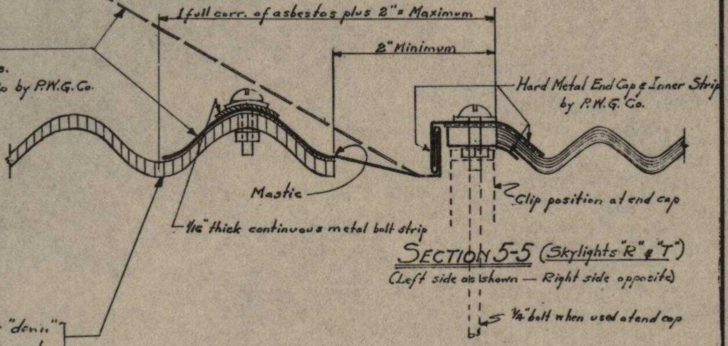
② a soft metal wing which is formed over the asbestos, trimmed to fit and bolted every 9 inches.

NOTE — Clip & bolt cap to glass before forming soft wing to asbestos.


Hard Metal End Cap & Inner Strip by P.W.G. Co.
Mastic
2" Minimum
Clip position at end cap
¼" bolt when used at end cap
1/16" thick continuous metal bolt strip

SECTION 4-4 (Skylight "S")

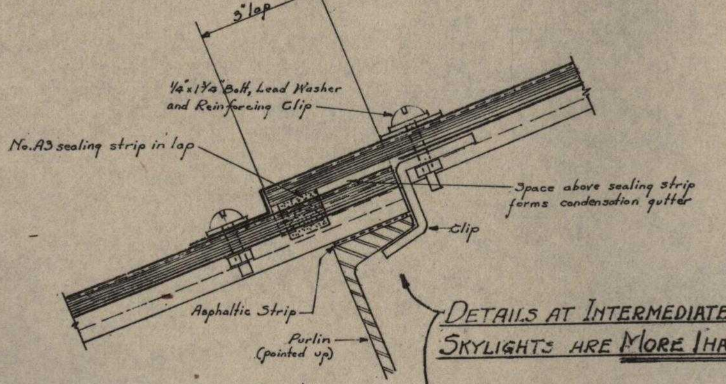
(Left side as shown — Right side opposite)


1 full corr. of asbestos plus 2" = Maximum
2" Minimum
Hard Metal End Cap & Inner Strip by P.W.G. Co.
Mastic
1/16" thick continuous metal bolt strip
Clip position at end cap
¼" bolt when used at end cap

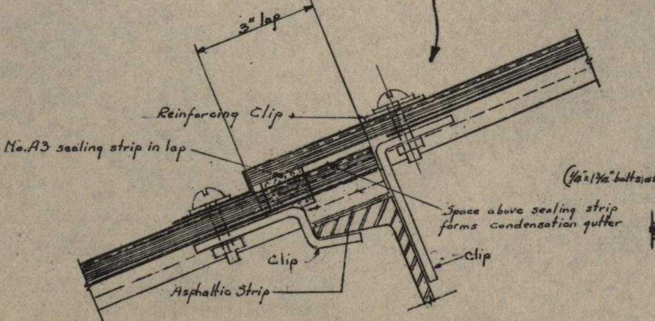
SECTION 5-5 (Skylights "R" & "T")

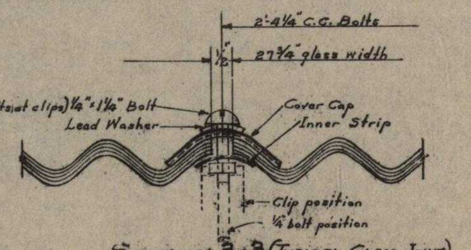
(Left side as shown — Right side opposite)

[Asbestos sheet of any pitch. Sheet may end with edge "up" or "down"] These sections illustrate typical conditions. For other details and special conditions see the following →


3" lap
¼"x1¼" Bolt, Lead Washer and Reinforcing Clip
No. A3 sealing strip in lap
Space above sealing strip forms condensation gutter
Clip
Asphaltic Strip
Purlin (pointed up)

DETAILS AT INTERMEDIATE PURLINS WHERE SKYLIGHTS ARE MORE THAN ONE LIGHT HIGH


3" lap
Reinforcing Clip
No. A3 sealing strip in lap
Space above sealing strip forms condensation gutter
Clip
Clip
Asphaltic Strip



SECTION 3-3 (TYPICAL GLASS JOINT)

DETAIL DRAWINGS —

2⅝" Pitch Asbestos — Drawing Nº 2700A
4.2" " " " 2700B
7" " " " 2700C

NOTE

THIS IS A TYPICAL PLAN AND DETAIL SHEET SHOWING CORRUGATED WIRE GLASS WITH ANY MAKE OF CORRUGATED ASBESTOS ROOFING. SINCE THE PITCH OF DIFFERENT ASBESTOS SHEETS VARIES, CERTAIN DETAILS OF ERECTION ALSO VARY. SEE LIST OF DETAIL DRAWINGS AT LEFT.

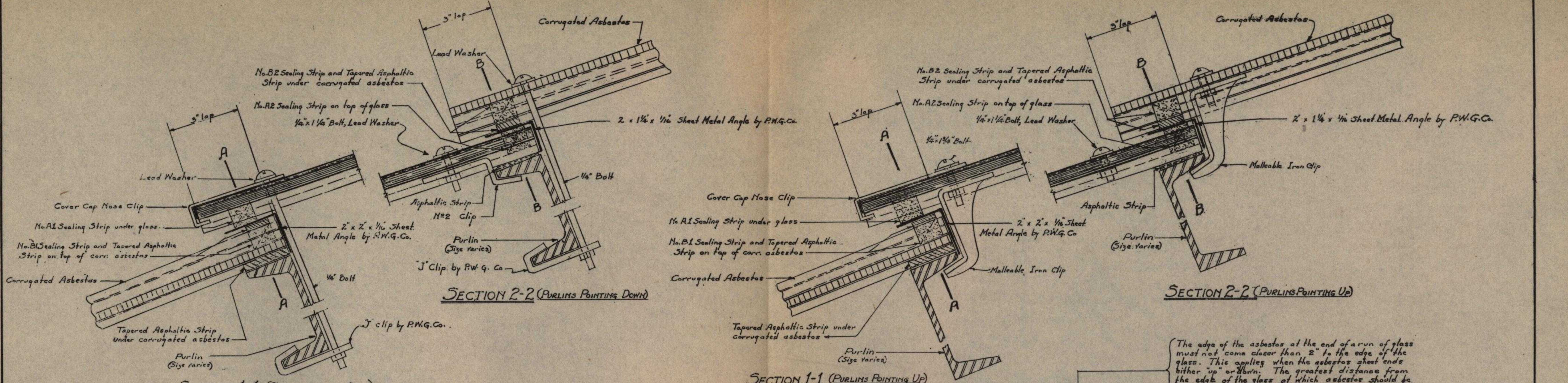
No.	DATE	NAME	— REVISIONS —
1	7-21-32		Sealing strips
2	Feb. 1934		Intermediate detail
3			
4			
5			
6			
7			
8			
9			

CORRUGATED WIRE GLASS
USED WITH
CORRUGATED ASBESTOS ROOFING

PENNSYLVANIA WIRE GLASS CO.
PHILADELPHIA

DRAWN BY SD CHECKED BY APPROVED BY
DATE 1-23-31 DATE DATE

SHEET-2700



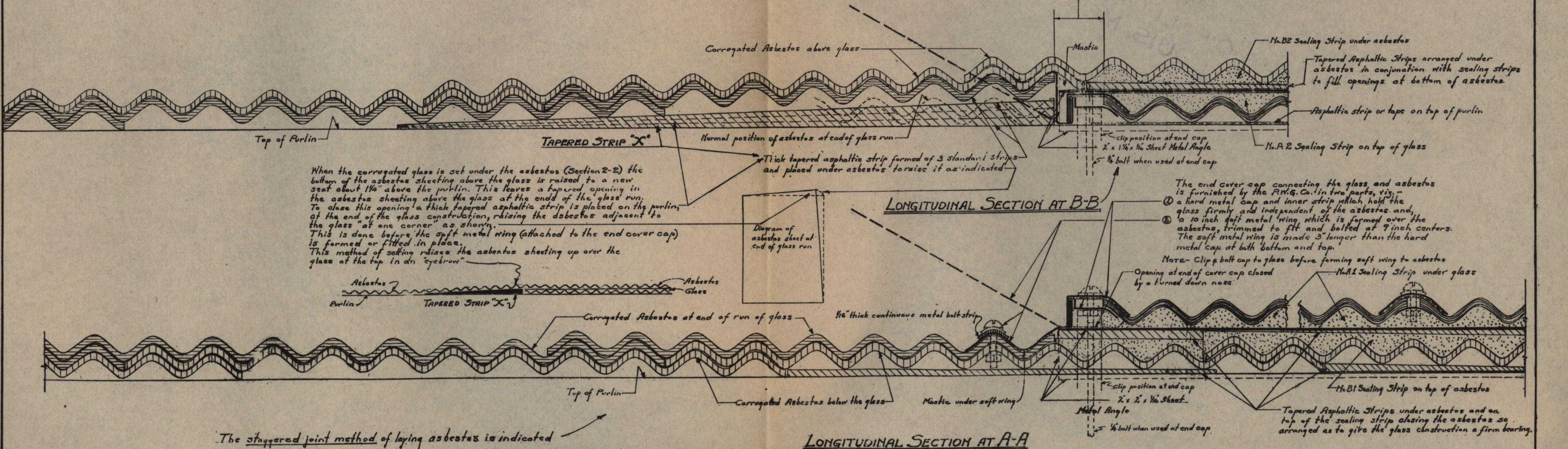
SECTION 1-1 (PURLINS POINTING DOWN)

SECTION 2-2 (PURLINS POINTING DOWN)

SECTION 1-1 (PURLINS POINTING UP)

SECTION 2-2 (PURLINS POINTING UP)

3" lap
A
A
Lead Washer
Cover Cap Nose Clip
No. A1 Sealing Strip under glass.
No. B1 Sealing Strip and Tapered Asphaltic Strip on top of corr. asbestos
Corrugated Asbestos
2" x 2" x 1/16" Sheet Metal Angle by P.W.G.Co.
1/4" Bolt
Tapered Asphaltic Strip under corrugated asbestos
Purlin (Size varies)
"J" clip by P.W.G.Co.
3" lap
B
B
Lead Washer
Corrugated Asbestos
No. B2 Sealing Strip and Tapered Asphaltic Strip under corrugated asbestos
No. A2 Sealing Strip on top of glass
1/4"x1 1/4" Bolt, Lead Washer
2 x 1¼ x 1/16 Sheet Metal Angle by P.W.G.Co.
1/4" Bolt
Asphaltic Strip
No 2 Clip
Purlin (Size varies)
"J" Clip. by P.W.G. Co.
3" lap
A
A
1/4"x1 3/4" Bolt
Cover Cap Nose Clip
No. A1 Sealing Strip under glass
No. B1 Sealing Strip and Tapered Asphaltic Strip on top of corr. asbestos
Corrugated Asbestos
2" x 2" x 1/16" Sheet Metal Angle by P.W.G. Co
Malleable Iron Clip
Tapered Asphaltic Strip under corrugated asbestos
Purlin (Size Varies)
3" lap
B
B
Corrugated Asbestos
No. B2 Sealing Strip and Tapered Asphaltic Strip under corrugated asbestos
No. A2 Sealing Strip on top of glass
1/4"x1 1/4" Bolt, Lead Washer
2" x 1¼ x 1/16 Sheet Metal Angle by P.W.G.Co.
Malleable Iron Clip
Asphaltic Strip
Purlin (Size Varies)



The edge of the asbestos at the end of a run of glass must not come closer than 2" to the edge of the glass. This applies when the asbestos sheet ends either "up" or "down." The greatest distance from the edge of the glass at which asbestos should be set is 4½ inches. The end cover caps are made to suit these conditions.

LONGITUDINAL SECTION AT B-B

When the corrugated glass is set under the asbestos (Section 2-2) the bottom of the asbestos sheeting above the glass is raised to a new seat about 1¼" above the purlin. This leaves a tapered opening in the asbestos sheeting above the glass at the ends of the glass run. To close this opening a thick tapered asphaltic strip is placed on the purlin, at the end of the glass construction, raising the asbestos adjacent to the glass "at one corner" as shown.
This is done before the soft metal wing (attached to the end cover cap) is formed or fitted in place.
This method of setting raises the asbestos sheeting up over the glass at the top in an "eyebrow"

Diagram of asbestos sheet at end of glass run

The end cover cap connecting the glass and asbestos is furnished by the P.W.G. Co. in two parts, viz. –
① a hard metal cap and inner strip which hold the glass firmly and independent of the asbestos. and,
② a 10 inch soft metal wing, which is formed over the asbestos, trimmed to fit and bolted at 9 inch centers. The soft metal wing is made 3" longer than the hard metal cap at both bottom and top.

NOTE – Clip & bolt cap to glass before forming soft wing to asbestos

LONGITUDINAL SECTION AT A-A

The staggered joint method of laying asbestos is indicated
Use of the straight joint method (cut corners) will not change these details.

Corrugated Asbestos above glass
Mastic
No. B2 Sealing Strip under asbestos
Tapered Asphaltic Strips arranged under asbestos in conjunction with sealing strips to fill openings at bottom of asbestos.
Asphaltic strip or tape on top of purlin
Top of Purlin
TAPERED STRIP "X"
Normal position of asbestos at end of glass run
Thick tapered asphaltic strip formed of 3 standard strips and placed under asbestos to raise it as indicated
clip position at end cap
2" x 1¼ x 1/16 Sheet Metal Angle
1/4" bolt when used at end cap
No. A2 Sealing Strip on top of glass
Asbestos
Purlin
TAPERED STRIP "X"
Asbestos
Glass
Corrugated Asbestos at end of run of glass
1/16" thick continuous metal bolt strip
Opening at end of cover cap closed by a turned down nose
No. A1 Sealing Strip under glass
Top of Purlin
Corrugated Asbestos below the glass
Mastic under soft wing
clip position at end cap
2" x 2" x 1/16" Sheet Metal Angle
1/4" bolt when used at end cap
No. B1 Sealing Strip on top of asbestos
Tapered Asphaltic Strips under asbestos and on top of the sealing strip closing the asbestos so arranged as to give the glass construction a firm bearing.

NOTE

The conditions shown on this drawing were assumed at random.
No attempt has been made to show any ideal set of conditions.

THIS DRAWING TO BE USED IN CONJUNCTION WITH DRAWING No 2700

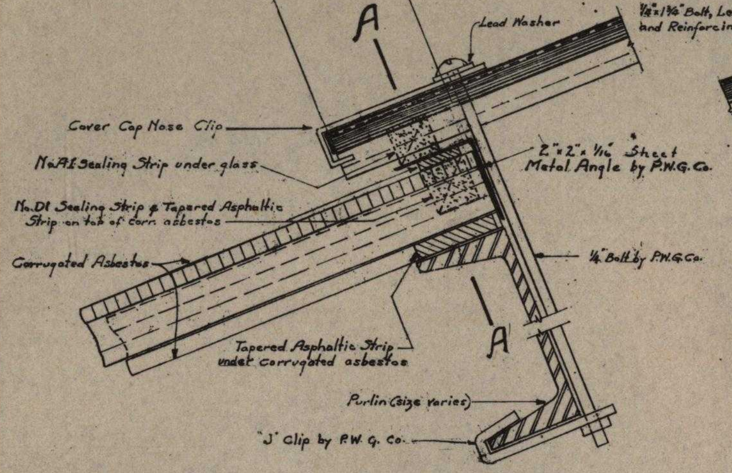
No.	DATE	NAME	— REVISIONS —
1	7-21-32		Sealing strips & top clips
2	Feb. 1934		
3			
4			
5			
6			
7			
8			
9			

TYPICAL DETAILS
OF CORRUGATED WIRE GLASS WITH
2⅝" & 2½" PITCH CORRUGATED ASBESTOS

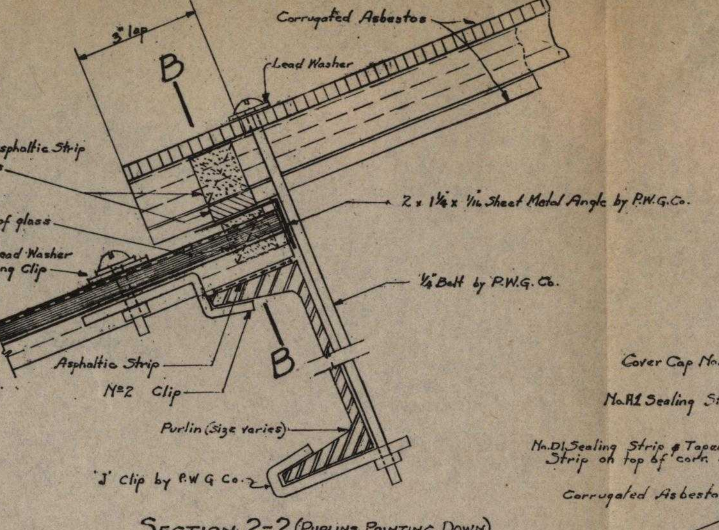
PENNSYLVANIA WIRE GLASS CO.
PHILADELPHIA

DRAWN BY S.D. CHECKED BY .... APPROVED BY ....
DATE 1-23-31 DATE .... DATE ....

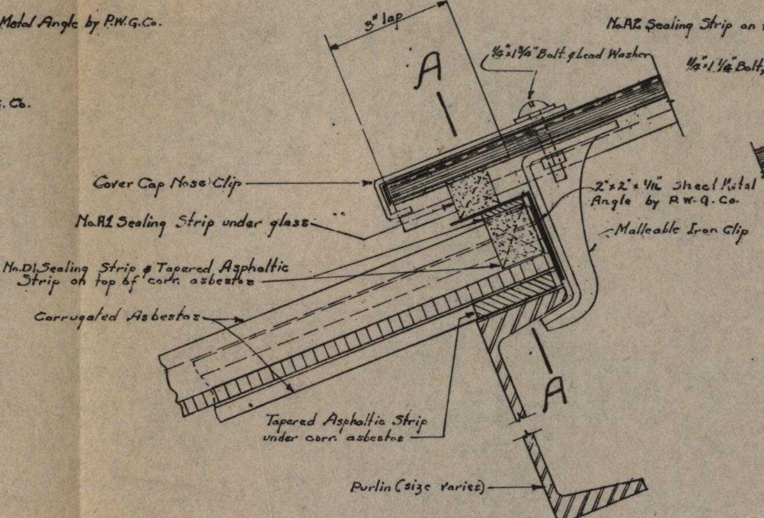
SHEET-2700A


3" lap
A
Lead Washer
Cover Cap Nose Clip
No.A1 Sealing Strip under glass
2"×2"×1/16" Sheet Metal Angle by P.W.G.Co.
No.D1 Sealing Strip & Tapered Asphaltic Strip on top of corr. asbestos
Corrugated Asbestos
1/4" Bolt by P.W.G.Co.
Tapered Asphaltic Strip under corrugated asbestos
A
Purlin (size varies)
"J" Clip by P.W.G.Co.

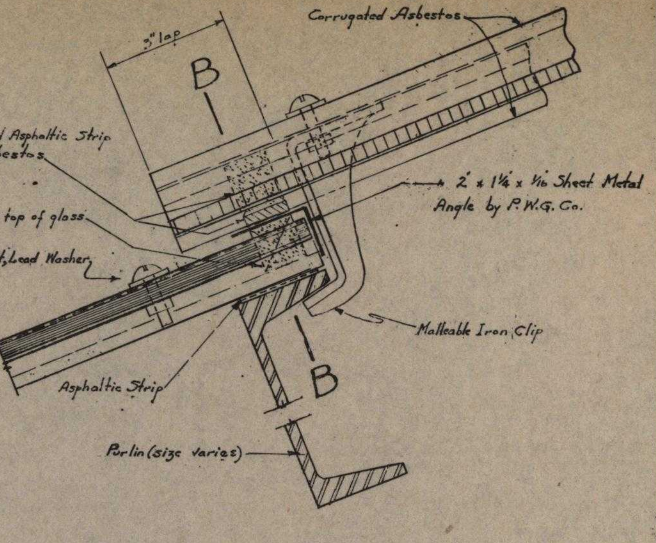
SECTION 1-1 (PURLINS POINTING DOWN)


3" lap
B
Corrugated Asbestos
Lead Washer
No.D2 Sealing Strip & Tapered Asphaltic Strip under corrugated asbestos
2 × 1 1/4 × 1/16 Sheet Metal Angle by P.W.G.Co.
No.A2 Sealing Strip on top of glass
1/4"×1 3/4" Bolt, Lead Washer and Reinforcing Clip
1/4" Bolt by P.W.G.Co.
Asphaltic Strip
No 2 Clip
B
Purlin (size varies)
"J" Clip by P.W.G.Co.

SECTION 2-2 (PURLINS POINTING DOWN)

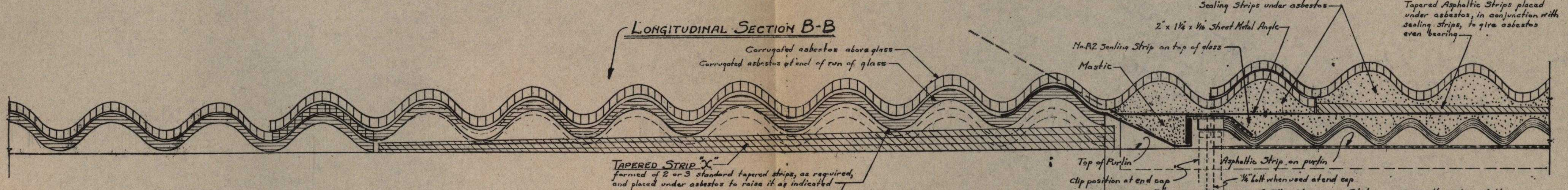

3" lap
A
1/4×1 3/4" Bolt & Lead Washer
Cover Cap Nose Clip
2"×2"×1/16" Sheet Metal Angle by P.W.G.Co.
No.A1 Sealing Strip under glass
Malleable Iron Clip
No.D1 Sealing Strip & Tapered Asphaltic Strip on top of corr. asbestos
Corrugated Asbestos
A
Tapered Asphaltic Strip under corr. asbestos
Purlin (size varies)

SECTION 1-1 (PURLINS POINTING UP)


Corrugated Asbestos
3" lap
B
No.D2 Sealing Strip & Tapered Asphaltic Strip under corrugated asbestos
2" × 1 1/4 × 1/16 Sheet Metal Angle by P.W.G.Co.
No.A2 Sealing Strip on top of glass
1/4"×1 1/4" Bolt, Lead Washer
Malleable Iron Clip
Asphaltic Strip
B
Purlin (size varies)

SECTION 2-2 (PURLINS POINTING UP)

LONGITUDINAL SECTION B-B


Corrugated asbestos above glass
Corrugated asbestos at end of run of glass
Sealing Strips under asbestos
2" × 1 1/4 × 1/16 Sheet Metal Angle
Tapered Asphaltic Strips placed under asbestos, in conjunction with sealing strips, to give asbestos even bearing
No.A2 Sealing Strip on top of glass
Mastic
Top of Purlin
Asphaltic Strip on purlin
Clip position at end cap
1/4" bolt when used at end cap

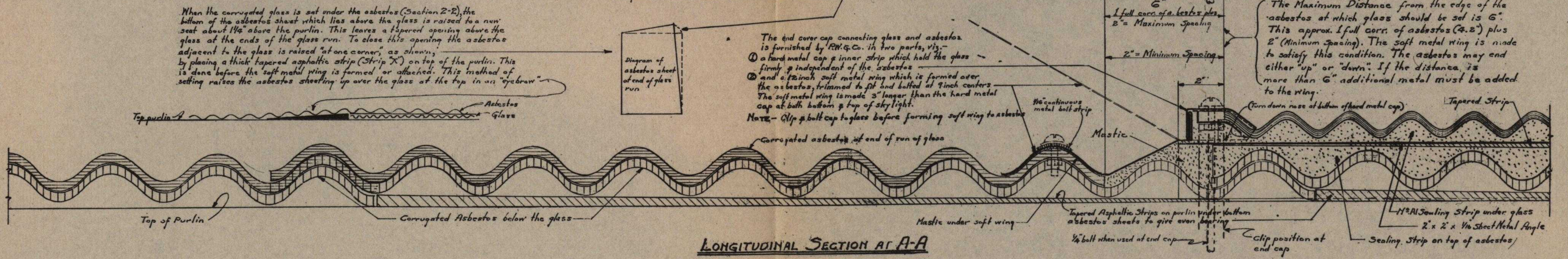
TAPERED STRIP "X" formed of 2 or 3 standard tapered strips, as required, and placed under asbestos to raise it as indicated

When the corrugated glass is set under the asbestos (Section 2-2), the bottom of the asbestos sheet which lies above the glass is raised to a new seat about 1 1/4" above the purlin. This leaves a tapered opening above the glass at the ends of the glass run. To close this opening the asbestos adjacent to the glass is raised "at one corner," as shown, by placing a thick tapered asphaltic strip (Strip "X") on top of the purlin. This is done before the soft metal wing is formed or attached. This method of setting raises the asbestos sheeting up over the glass at the top in an "eyebrow"

The end cover cap connecting glass and asbestos is furnished by P.W.G.Co. in two parts, viz.–
① a hard metal cap & inner strip which hold the glass firmly & independent of the asbestos
② and a 12 inch soft metal wing which is formed over the asbestos, trimmed to fit and bolted at 9 inch centers.
The soft metal wing is made 3" longer than the hard metal cap at both bottom & top of skylight.

NOTE – Clip & bolt cap to glass before forming soft wing to asbestos

The Maximum Distance from the edge of the asbestos at which glass should be set is 6". This approx. 1 full corr. of asbestos (4.2") plus 2" (Minimum Spacing). The soft metal wing is made to satisfy this condition. The asbestos may end either "up" or "down". If the distance is more than 6" additional metal must be added to the wing.


6"
1 full corr. of asbestos plus 2" = Maximum Spacing
2" = Minimum Spacing
2"
Diagram of asbestos sheet at end of glass run
Top purlin
Asbestos
Glass
1/16" continuous metal bolt strip
Corrugated asbestos at end of run of glass
Mastic
(Turn down nose at bottom of hard metal cap)
Tapered Strip
Top of Purlin
Corrugated Asbestos below the glass
Mastic under soft wing
Tapered Asphaltic Strips on purlin under bottom asbestos sheets to give even bearing
1/4" bolt when used at end cap
Clip position at end cap
No A1 Sealing Strip under glass
2" × 2" × 1/16 Sheet Metal Angle
Sealing Strip on top of asbestos

LONGITUDINAL SECTION AT A-A

NOTE

The conditions shown on this drawing were assumed at random. No attempt has been made to show any ideal set of conditions.

THIS DRAWING TO BE USED IN CONJUNCTION WITH DRAWING Nº 2700

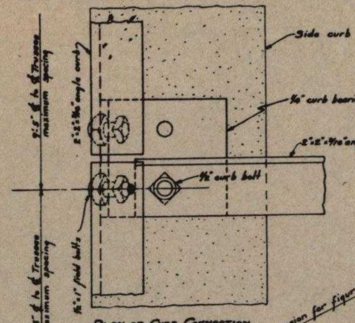
No.	DATE	NAME	— REVISIONS —
1	7-21-32		Sealing strips & top clips
2	Feb. 1934		
3			
4			
5			
6			
7			
8			
9			

TYPICAL DETAILS
CORRUGATED WIRE GLASS USED WITH
4.2" PITCH CORRUGATED ASBESTOS
PENNSYLVANIA WIRE GLASS CO.
PHILADELPHIA

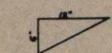
DRAWN BY .... CHECKED BY .... APPROVED BY ....
DATE 1-23-31 .... DATE .... DATE ....

SHEET-2700B

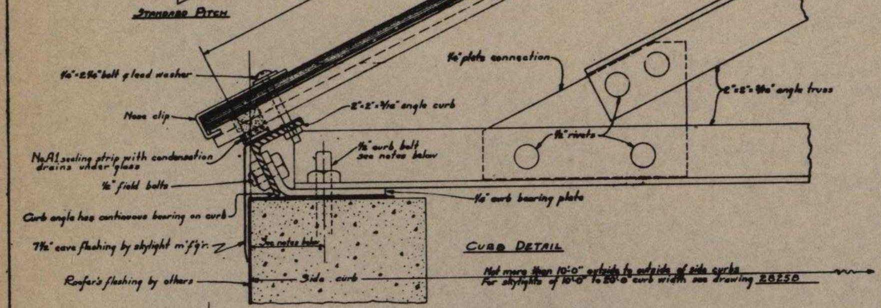
A.I.A. File No. 12J1



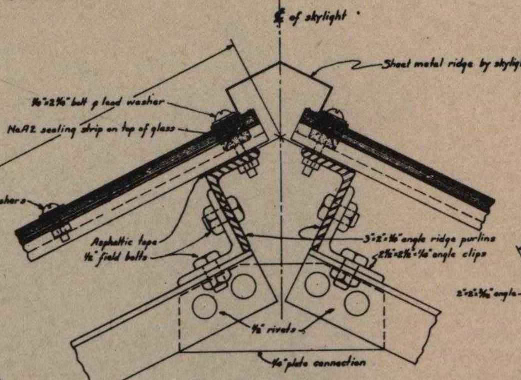
PLAN OF CURB CONNECTION



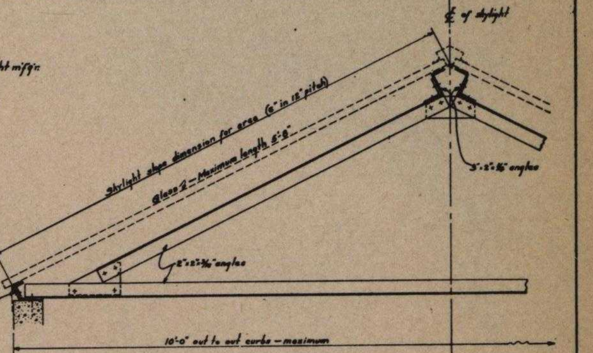
STANDARD PITCH


Skylight slope dimension for figuring area
5/16"×2 5/16" bolt & lead washer
Nose clip
2"×2"×3/16" angle curb
NoA1 sealing strip with condensation drains under glass
½" field bolts
½" curb bolt see notes below
5/16" plate connection
2"×2"×3/16" angle truss
½" rivets
5/16" curb bearing plate
Curb angle has continuous bearing on curb
7½" eave flashing by skylight m'f'g'r.
See notes below
Roofer's flashing by others
Side curb
Not more than 10'-0" outside to outside of side curbs
For skylights of 10'-0" to 20'-0" curb width see drawing 2825B

CURB DETAIL

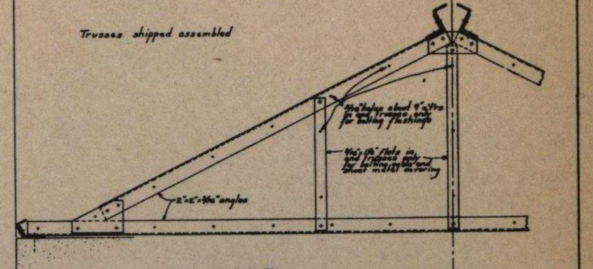

℄ of skylight
Sheet metal ridge by skylight m'f'g'r.
5/16"×2 5/16" bolt & lead washer
NoA2 sealing strip on top of glass
5/16"×1 5/16" intermediate bolts & lead washers
Asphaltic tape
½" field bolts
3"×2"×¼" angle ridge purlins
2½"×2½"×¼" angle clips
½" rivets
5/16" plate connection

RIDGE DETAIL

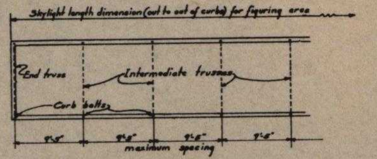

℄ of skylight
Skylight slope dimension for area (6" in 12" pitch)
Glass 2 – Maximum length 5'-8"
3"×2"×¼" angles
2"×2"×3/16" angles
2"×2"×3/16" angle
10'-0" out to out curbs – maximum

TYPICAL INTERMEDIATE TRUSS

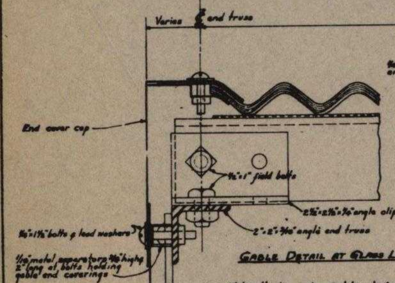
Trusses shipped assembled


5/16" holes about 9" c'trs in end trusses only for bolting flashings
3/16"×1½" flats in end trusses only for bolting gable and sheet metal covering
2"×2"×3/16" angles

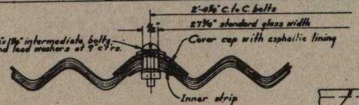
TYPICAL END TRUSS



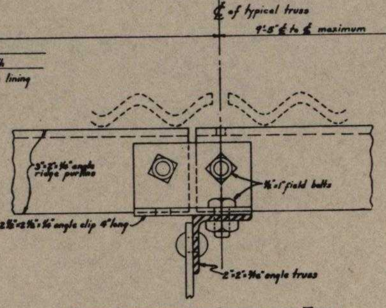
STANDARD TRUSS SPACING


Varies
℄ end truss
9'-5" ℄ to ℄ maximum
End cover cap
½"×1" field bolts
2½"×2½"×¼" angle clip 4" long
2"×2"×3/16" angle end truss
5/16"×1½" bolts & lead washers
1/16" metal separators 5/16" high, 2" long at bolts holding gable end coverings

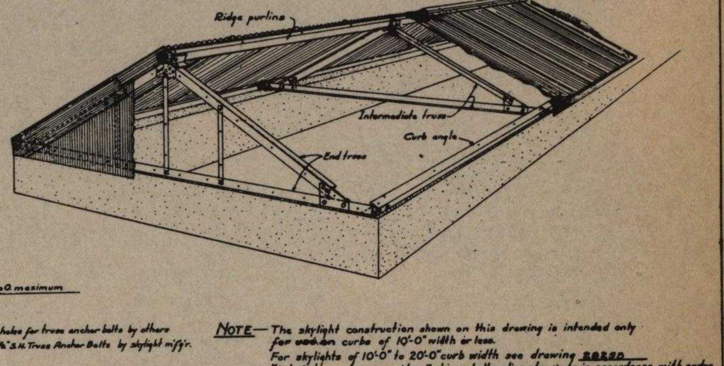
GABLE DETAIL AT GLASS LINE

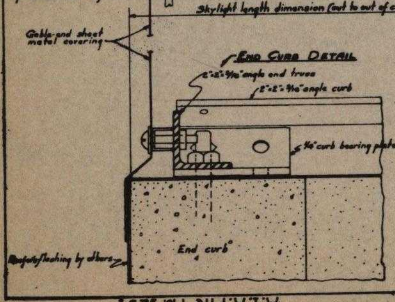

2'-4⅝" C. to C. bolts
27⅜" standard glass width
½"
5/16"×1⅝" intermediate bolts and lead washers at 9" c'trs.
Cover cap with asphaltic lining
Inner strip

TYPICAL GLASS JOINT

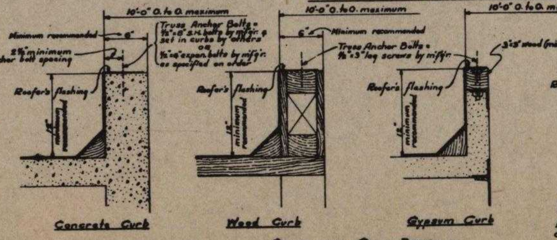


RIDGE CONNECTION AT INTERMEDIATE TRUSS




Skylight length dimension (out to out of curbs) for figuring area
Gable-end sheet metal covering
2"×2"×3/16" angle end truss
2"×2"×3/16" angle curb
5/16" curb bearing plate
End curb
Roofer's flashing by others

END CURB DETAIL

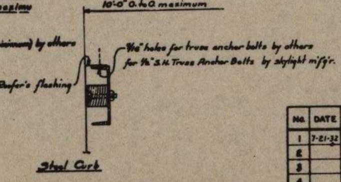

10'-0" O. to O. maximum
Minimum recommended
6"
2⅝" minimum anchor bolt spacing
Truss Anchor Bolts = ½"×8" S.H. bolts by m'f'g'r. & set in curbs by others or ½"×4" expan. bolts by m'f'g'r. as specified on order
Roofer's flashing
12" minimum recommended
10'-0" O. to O. maximum
6"
Minimum recommended
Truss Anchor Bolts = ½"×3" lag screws by m'f'g'r.
Roofer's flashing
12" minimum recommended
10'-0" O. to O. maximum
3"×5" wood (minimum) by others
Roofer's flashing
12" minimum recommended

Concrete Curb

Wood Curb

Gypsum Curb

STANDARD CURB DETAILS


10'-0" O. to O. maximum
9/16" holes for truss anchor bolts by others for ½" S.H. Truss Anchor Bolts by skylight m'f'g'r.
Roofer's flashing

Steel Curb

All materials above Roofer's Flashing at top of curb furnished by skylight manufacturer

All steel shipped unassembled, except where indicated otherwise, and painted one shop coat of red-lead & oil.

NOTE— The skylight construction shown on this drawing is intended only for ~~[illegible]~~ curbs of 10'-0" width or less.
For skylights of 10'-0" to 20'-0" curb width see drawing 2825B
Kind of glass, cover caps, ridge, flashings, bolts, clips, etc., vary in accordance with order.

NO.	DATE	NAME	—REVISIONS—
1	7-21-32		Sealing strips
2			
3			
4			
5			
6			
7			
8			
9			

CORRUGATED WIRE GLASS SKYLIGHTS

STANDARD CONSTRUCTION DETAILS FOR
10'-0" WIDE CURB SKYLIGHTS
DOUBLE PITCH – GABLE ENDS

PENNSYLVANIA WIRE GLASS CO.
PHILADELPHIA

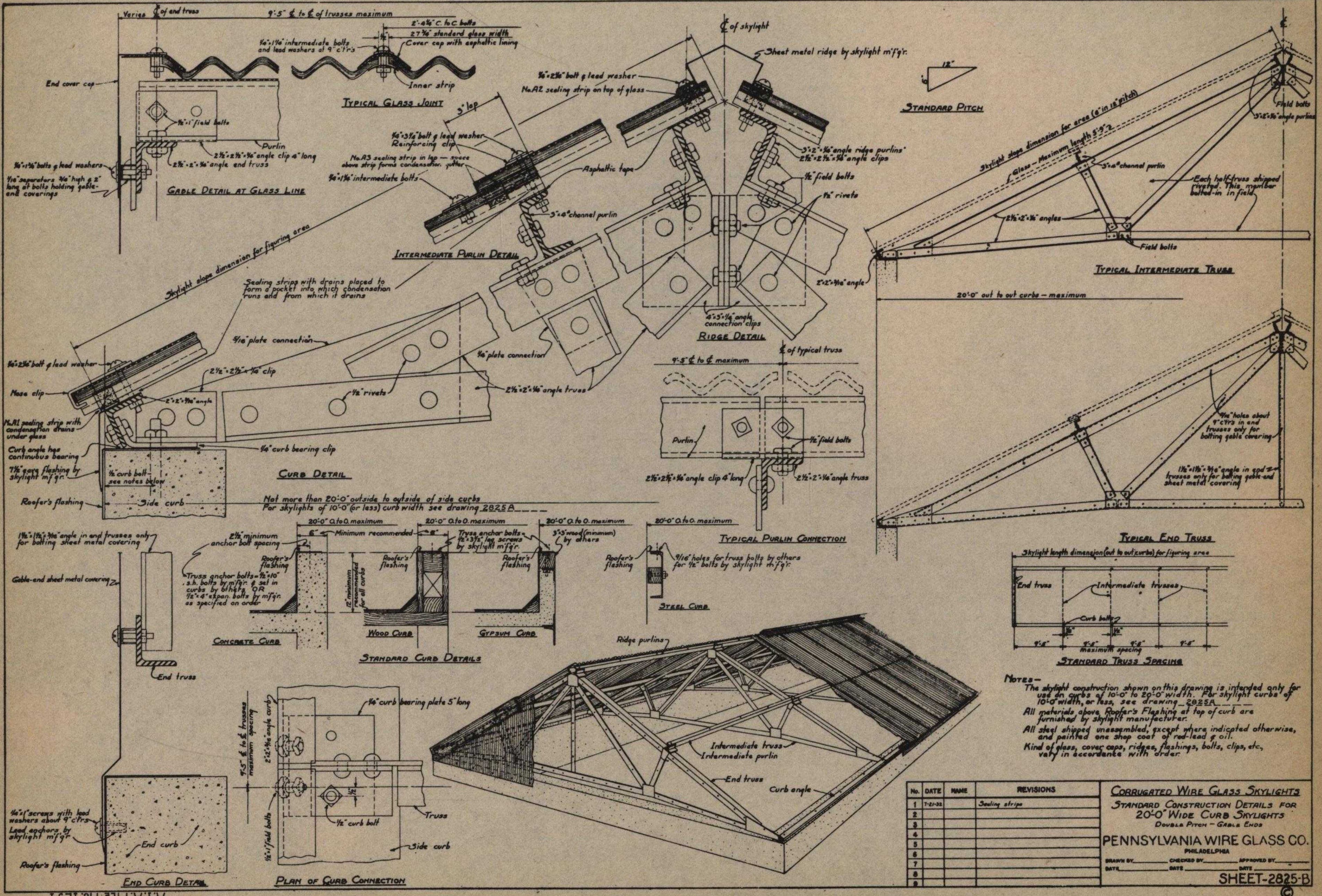
DRAWN BY________ CHECKED BY________ APPROVED BY________
DATE________ DATE________ DATE________

SHEET-2825A

©

A.I.A. File No. 12J1

A.I.A. File No. 12J1


Varies
℄ of end truss
9'-5" ℄ to ℄ of trusses maximum
End cover cap
1/2"×1" field bolts
Purlin
2 1/2"×2 1/2"×1/4" angle clip 4" long
2 1/2"×2"×1/4" angle end truss
3/8"×1 3/4" bolts & lead washers
1/16" separators 3/4" high & 2" long at bolts holding gable-end coverings
Gable Detail at Glass Line
1/4"×1 1/4" intermediate bolts and lead washers at 9" c'tr's
2'-4 1/4" C. to C. bolts
27 3/4" standard glass width
1/2"
Cover cap with asphaltic lining
Inner strip
Typical Glass Joint
3" lap
1/4"×3 1/4" bolt & lead washer
Reinforcing clip
No. A3 sealing strip in lap — space above strip forms condensation gutter
1/4"×1 1/4" intermediate bolts
Asphaltic tape
3"×4" channel purlin
Intermediate Purlin Detail
℄ of skylight
Sheet metal ridge by skylight m'f'g'r.
3/8"×2 3/8" bolt & lead washer
No. A2 sealing strip on top of glass
3"×2"×1/4" angle ridge purlins
2 1/2"×2 1/2"×1/4" angle clips
1/2" field bolts
1/2" rivets
2"×2"×3/16" angle
4"×3"×1/4" angle connection clips
Ridge Detail
12"
6"
Standard Pitch
Skylight slope dimension for area (6" in 12" pitch)
Glass – Maximum length 5'-9 1/2"
3"×4" channel purlin
3"×2"×1/4" angle purlins
Field bolts
Each half-truss shipped riveted. This member bolted-in in field.
2 1/2"×2"×1/4" angles
Field bolts
Typical Intermediate Truss
20'-0" out to out curbs – maximum
Skylight slope dimension for figuring area
Sealing strips with drains placed to form a pocket into which condensation runs and from which it drains
5/16" plate connection
1/4" plate connection
2 1/2"×2 1/2"×1/4" clip
2"×2"×3/16" angle
1/2" rivets
2 1/2"×2"×1/4" angle truss
3/8"×2 3/8" bolt & lead washer
Nose clip
No. A1 sealing strip with condensation drains under glass
Curb angle has continuous bearing
7 1/2" eave flashing by skylight m'f'g'r.
1/2" curb bolt – see notes below
1/4" curb bearing clip
Roofer's flashing
Side curb
Curb Detail
Not more than 20'-0" outside to outside of side curbs
For skylights of 10'-0" (or less) curb width see drawing 2825A
℄ of typical truss
9'-5" ℄ to ℄ maximum
Purlin
1/2" field bolts
2 1/2"×2 1/2"×1/4" angle clip 4" long
2 1/2"×2"×1/4" angle truss
Typical Purlin Connection
3/16" holes about 9" c'tr's in end trusses only for bolting gable covering
1 1/2"×1 1/2"×3/16" angle in end trusses only for bolting gable-end sheet metal covering
Typical End Truss
Skylight length dimension (out to out curbs) for figuring area
End truss
Intermediate trusses
Curb bolts
1/2"
1/2"
9'-5"
9'-5"
9'-5"
9'-5"
maximum spacing
Standard Truss Spacing
1 1/2"×1 1/2"×3/16" angle in end trusses only for bolting sheet metal covering
Gable-end sheet metal covering
End truss
2 1/2" minimum anchor bolt spacing
Truss anchor bolts – 1/2"×10" s.h. bolts by m'f'g'r. & set in curbs by others OR 1/2"×4" expan. bolts by m'f'g'r. as specified on order
20'-0" O. to O. maximum
6"
Minimum recommended
6"
Roofer's flashing
12" minimum recommended for all curbs
Concrete Curb
20'-0" O. to O. maximum
Truss anchor bolts – 1/2"×3 1/2" lag screws by skylight m'f'g'r.
Roofer's flashing
Wood Curb
20'-0" O. to O. maximum
3"×3" wood (minimum) by others
Roofer's flashing
Gypsum Curb
Standard Curb Details
20'-0" O. to O. maximum
Roofer's flashing
9/16" holes for truss bolts by others for 1/2" bolts by skylight m'f'g'r.
Steel Curb
1/4"×1" screws with lead washers about 9" c'tr's
Lead anchors by skylight m'f'g'r.
End curb
Roofer's flashing
End Curb Detail
9'-5" ℄ to ℄ trusses maximum spacing
2"×2"×3/16" angle curb
1/4" curb bearing plate 5" long
1/2"×1" field bolts
1/2"
1/2" curb bolt
Truss
Side curb
Plan of Curb Connection
Ridge purlins
Intermediate truss
Intermediate purlin
End truss
Curb angle

Notes–

The skylight construction shown on this drawing is intended only for use on curbs of 10'-0" to 20'-0" width. For skylight curbs of 10'-0" width, or less, see drawing 2825A

All materials above Roofer's Flashing at top of curb are furnished by skylight manufacturer.

All steel shipped unassembled, except where indicated otherwise, and painted one shop coat of red-lead & oil.

Kind of glass, cover caps, ridges, flashings, bolts, clips, etc., vary in accordance with order.

No.	DATE	NAME	REVISIONS
1	7-21-32		Sealing strips
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Corrugated Wire Glass Skylights

Standard Construction Details for
20'-0" Wide Curb Skylights
Double Pitch – Gable Ends

PENNSYLVANIA WIRE GLASS CO.
PHILADELPHIA

DRAWN BY________ CHECKED BY________ APPROVED BY________
DATE________ DATE________ DATE________

SHEET-2825-B
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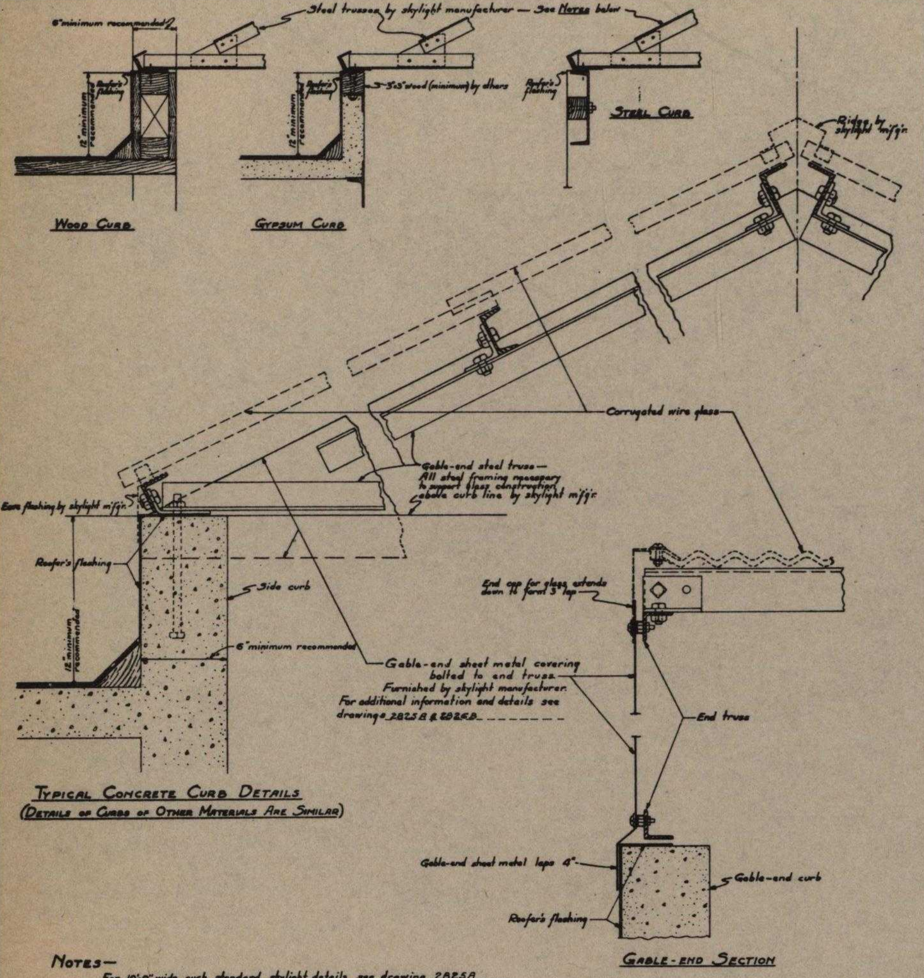
A.I.A. File No. 12J1



Steel trusses by skylight manufacturer — See Notes below
6" minimum recommended
12" minimum recommended
Roofer's flashing
Wood Curb
12" minimum recommended
Roofer's flashing
3"x3" wood (minimum) by others
Gypsum Curb
Roofer's flashing
Steel Curb
Ridge by skylight mf'g'r.
Corrugated wire glass
Gable-end steel truss — All steel framing necessary to support glass construction above curb line by skylight mf'g'r.
Eave flashing by skylight mf'g'r.
Roofer's flashing
Side curb
12" minimum recommended
6" minimum recommended
Gable-end sheet metal covering bolted to end truss. Furnished by skylight manufacturer. For additional information and details see drawings 2825A & 2825B
End cap for glass extends down to form 3" lap
End truss
Typical Concrete Curb Details
(Details of Curbs of Other Materials Are Similar)
Gable-end sheet metal laps 4"
Gable-end curb
Roofer's flashing
Gable-end Section

Notes—

For 10'-0" wide curb standard skylight details see drawing 2825A

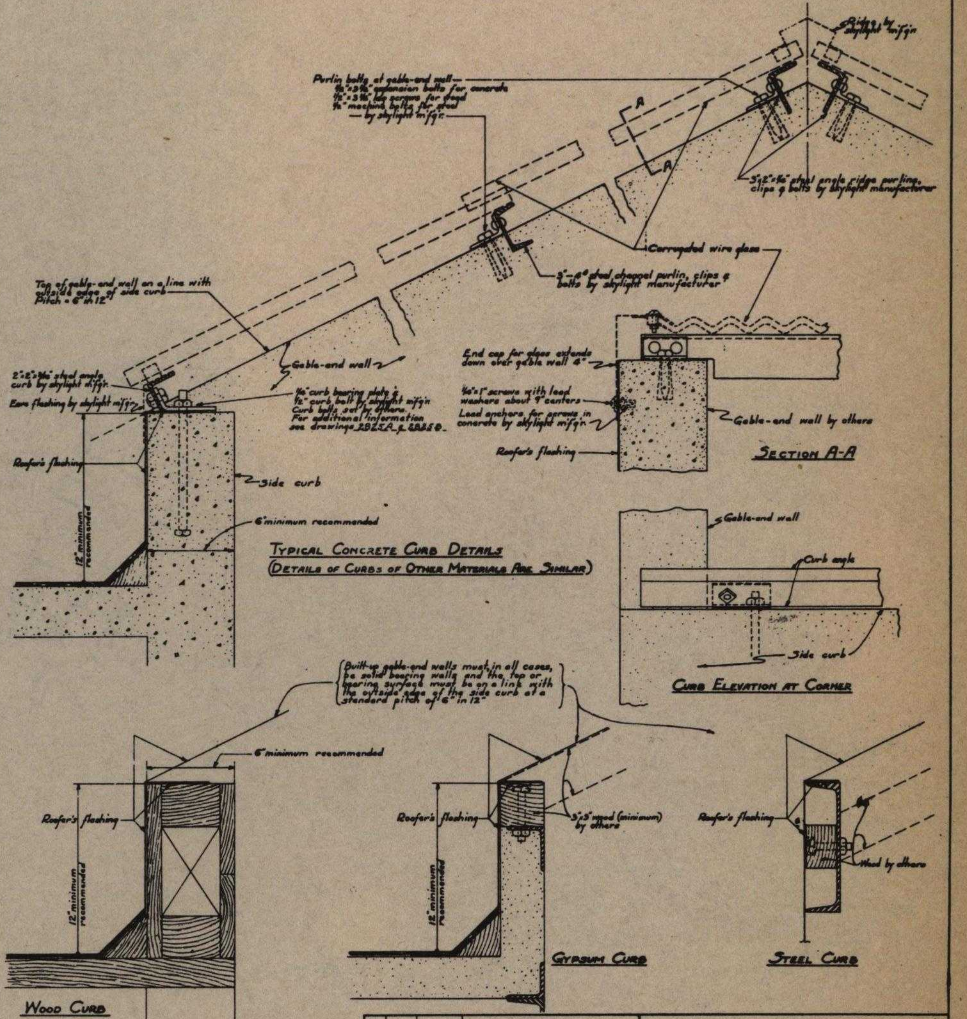
For 20'-0" " " " " " " 2825B

Alternate

To the steel skylight trusses, furnished by the skylight manufacturer at the gable ends, may be attached steel lathing and the ends covered with cement plaster or stucco, all by others.

Metal Covered End Walls
for
Double Pitch, Gable End Skylights

TYPE M



Ridge by skylight mf'g'r.
Purlin bolts at gable-end wall— ⅝"x3½" expansion bolts for concrete ½"x3½" lag screws for wood ½" machine bolts for steel — by skylight mf'g'r.
A
A
3"x2"x¼" steel angle ridge purlins, clips & bolts by skylight manufacturer
Corrugated wire glass
3"–6" steel channel purlin, clips & bolts by skylight manufacturer
Top of gable-end wall on a line with outside edge of side curb Pitch = 6" in 12"
Gable-end wall
2"x2"x¼" steel angle curb by skylight mf'g'r.
Eave flashing by skylight mf'g'r.
¼" curb bearing plate & ½" curb bolt by skylight mf'g'r. Curb bolts set by others. For additional information see drawings 2825A & 2825B
Roofer's flashing
Side curb
12" minimum recommended
6" minimum recommended
Typical Concrete Curb Details
(Details of Curbs of Other Materials Are Similar)
End cap for glass extends down over gable wall 4"
¼"x1" screws with lead washers about 9" centers
Lead anchors for screws in concrete by skylight mf'g'r.
Gable-end wall by others
Roofer's flashing
Section A-A
Gable-end wall
Curb angle
Side curb
Curb Elevation at Corner
Built-up gable-end walls must, in all cases, be solid bearing walls and the top or bearing surface must be on a line with the outside edge of the side curb at a standard pitch of 6" in 12"
6" minimum recommended
Roofer's flashing
12" minimum recommended
Wood Curb
Roofer's flashing
3"x3" wood (minimum) by others
12" minimum recommended
Gypsum Curb
Roofer's flashing
Wood by others
Steel Curb

Solid, Built-up End Walls
for
Double Pitch, Gable End Skylights

TYPE S

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CORRUGATED WIRE GLASS SKYLIGHTS
GABLE END WALL DETAILS FOR
STANDARD 10'-0" & 20'-0" WIDE CURB SKYLIGHTS
DOUBLE PITCH
PENNSYLVANIA WIRE GLASS CO.
PHILADELPHIA
DRAWN BY______ CHECKED BY______ APPROVED BY______
DATE______ DATE______ DATE______
SHEET-2825C

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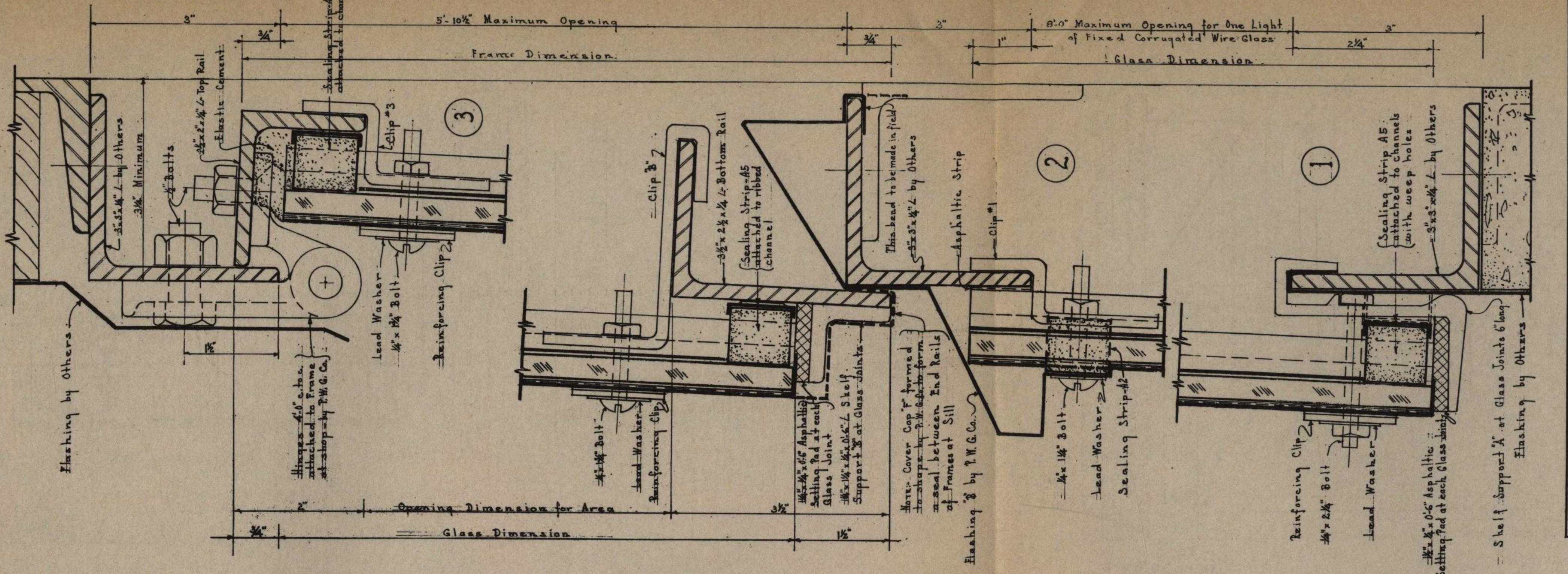
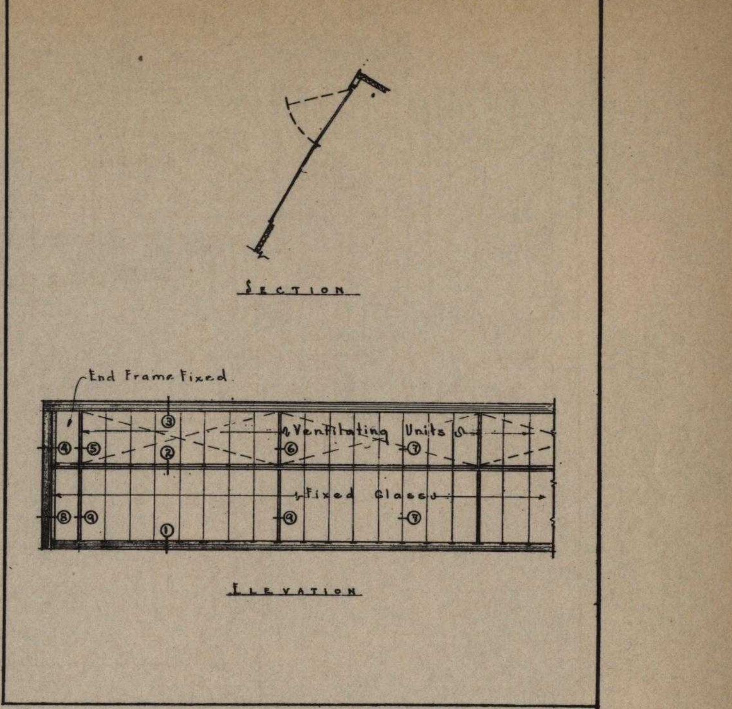
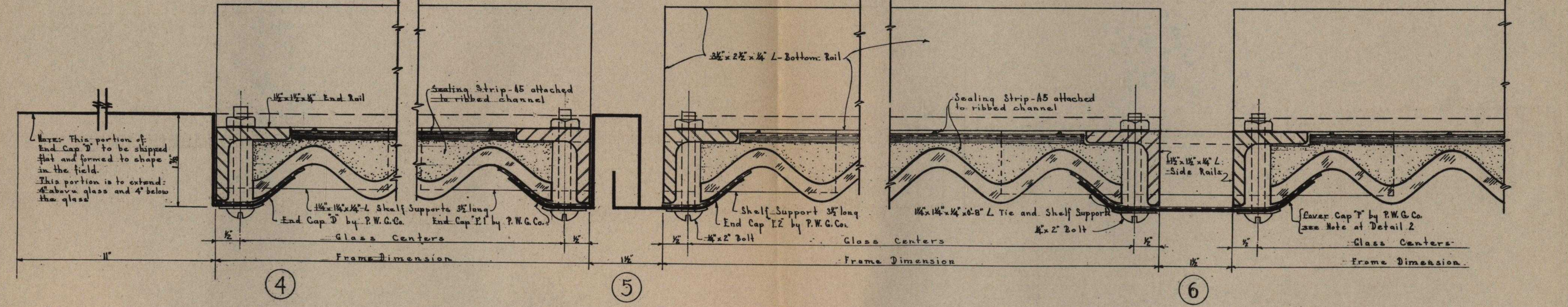
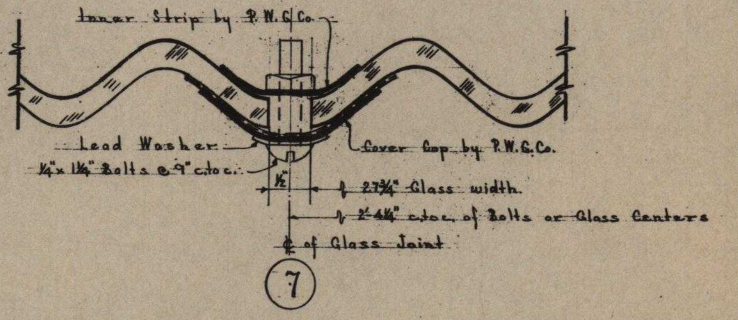
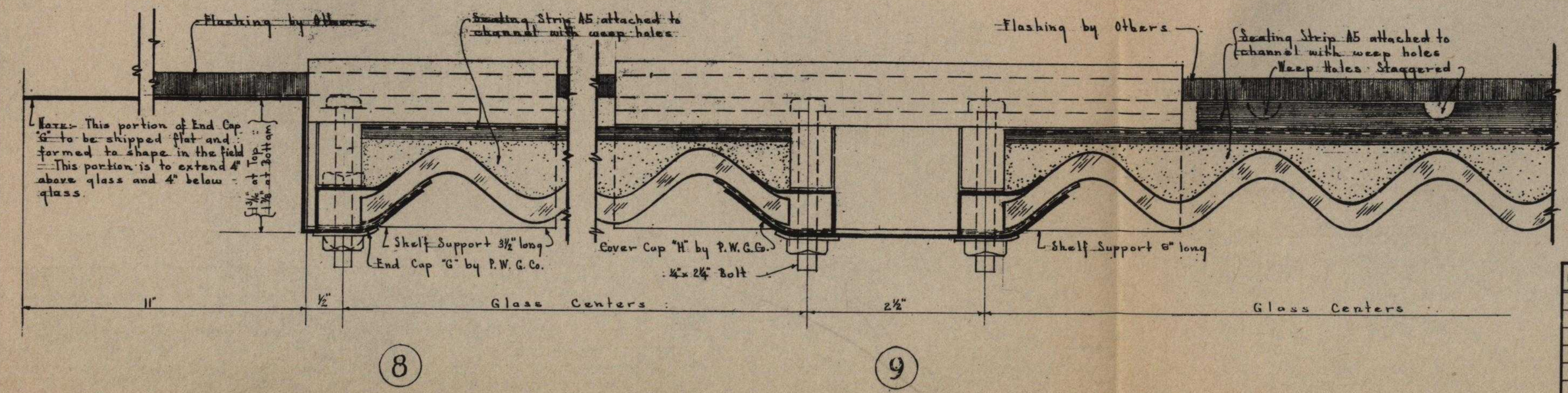

5'-10½" Maximum Opening
3"
¾"
Frame Dimension
Sealing Strip-A5 attached to channel
2½"x2"x¼" L-Top Rail
Elastic Cement
3"x3"x¼" L by Others
3¼" Minimum
½" Bolts
Clip #3
③
Lead Washer
¼"x1¾" Bolt
Reinforcing Clip
1½"
Flashing by Others
Hinges 4'-0" c. to c. attached to Frame at shop-by P.W.G.Co.
Clip "3"
3½"x2½x¼ L-Bottom Rail
Sealing Strip-A5 attached to ribbed channel
¼"x1¾" Bolt
Lead Washer
Reinforcing Clip
1¼"x1¼"x0'-6" Asphaltic Setting Pad at each Glass Joint
1¼"x1¼"x¼"x0'-6" L Shelf Support "B" at Glass Joints
2"
Opening Dimension for Area
3½"
¾"
Glass Dimension
1½"
This bend to be made in field
3"x3"x¼" L by Others
Asphaltic Strip
Clip #1
②
Note:- Cover Cap "F" formed to shape by P.W.G.Co. to form a seal between End Rails of Frames at Sill
Flashing "B" by P.W.G.Co.
¼"x1¼" Bolt
Lead Washer
Sealing Strip-A2
3"
1"
8'-0" Maximum Opening for One Light of Fixed Corrugated Wire Glass
Glass Dimension
3"
2¼"
①
Sealing Strip A5 attached to channels with weep holes
3"x3"x¼" L by Others
Reinforcing Clip
¼"x2¼" Bolt
Lead Washer
1½"x¼"x0'-6" Asphaltic Setting Pad at each Glass Joint
Shelf Support "A" at Glass Joints 6" long
Flashing by Others




1½"x1½"x¼" End Rail
Sealing Strip-A5 attached to ribbed channel
3½"x2½"x¼" L-Bottom Rail
Note:- This portion of End Cap "D" to be shipped flat and formed to shape in the field.
This portion is to extend 4" above glass and 4" below the glass
1⅜"
1¼"x1¼"x¼" L Shelf Supports 3½" long
End Cap "D" by P.W.G.Co.
End Cap "E1" by P.W.G.Co.
Shelf Support 3½" long
End Cap "E2" by P.W.G.Co.
¼"x2" Bolt
½"
Glass Centers
½"
11"
Frame Dimension
1½"
④
⑤
Sealing Strip-A5 attached to ribbed channel
1½"x1½"x¼" L Side Rails
1¼"x1¼"x¼"x0'-8" L Tie and Shelf Support
¼"x2" Bolt
Cover Cap "F" by P.W.G.Co. see Note at Detail 2
Glass Centers
½"
½"
Frame Dimension
1½"
Glass Centers
Frame Dimension
⑥




Flashing by Others
Sealing Strip A5 attached to channel with weep holes
Note:- This portion of End Cap "G" to be shipped flat and formed to shape in the field
This portion is to extend 4" above glass and 4" below glass.
3⅛" at Top
1⅜" at Bottom
Shelf Support 3½" long
End Cap "G" by P.W.G.Co.
Cover Cap "H" by P.W.G.Co.
¼"x2¼" Bolt
Shelf Support 6" long
Flashing by Others
Sealing Strip A5 attached to channel with weep holes
Weep Holes Staggered
11"
½"
Glass Centers
2½"
Glass Centers
⑧
⑨

No.	DATE	NAME	— REVISIONS —
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-DETAILS-CORRUGATED WIRE GLASS-

-VENTILATING UNITS-

PENNSYLVANIA WIRE GLASS CO.
PHILADELPHIA

DRAWN BY ....M.......... CHECKED BY .... APPROVED BY ....
DATE ....6/28/34.... DATE .... DATE ....

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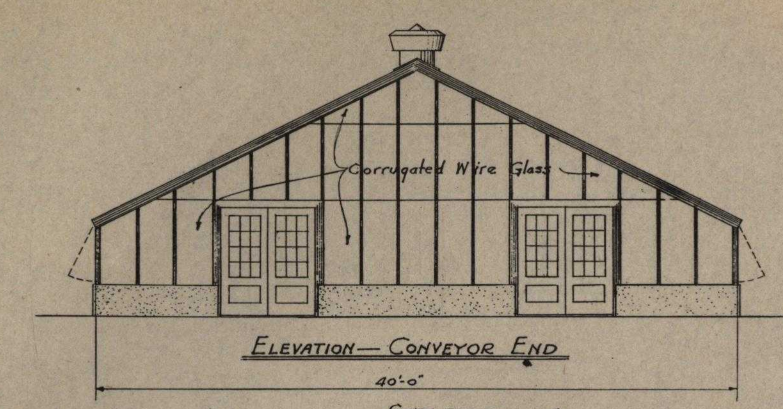
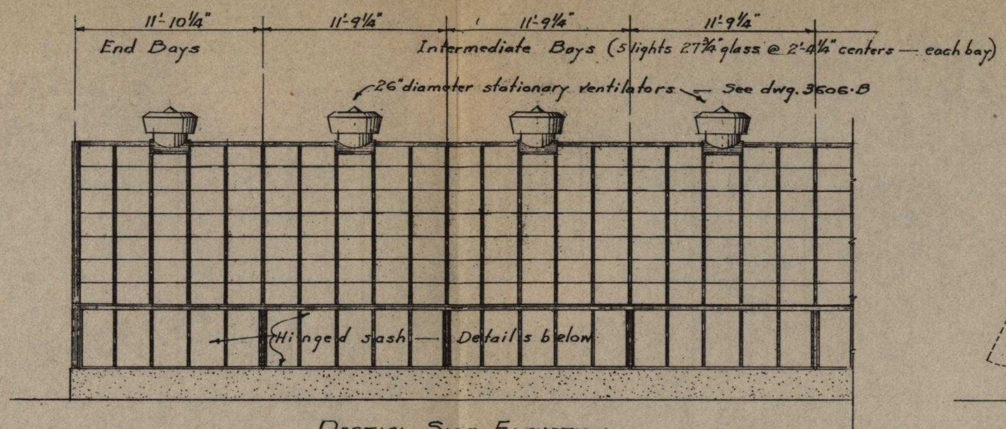
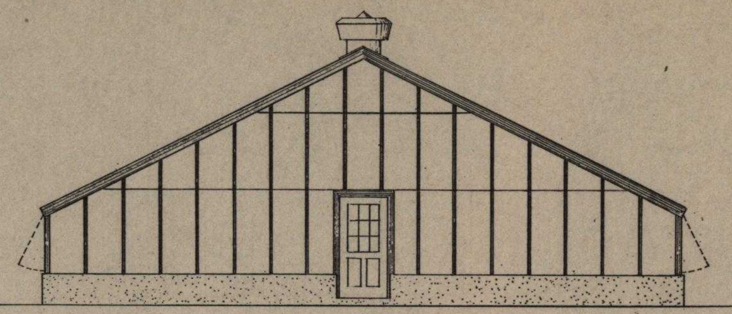


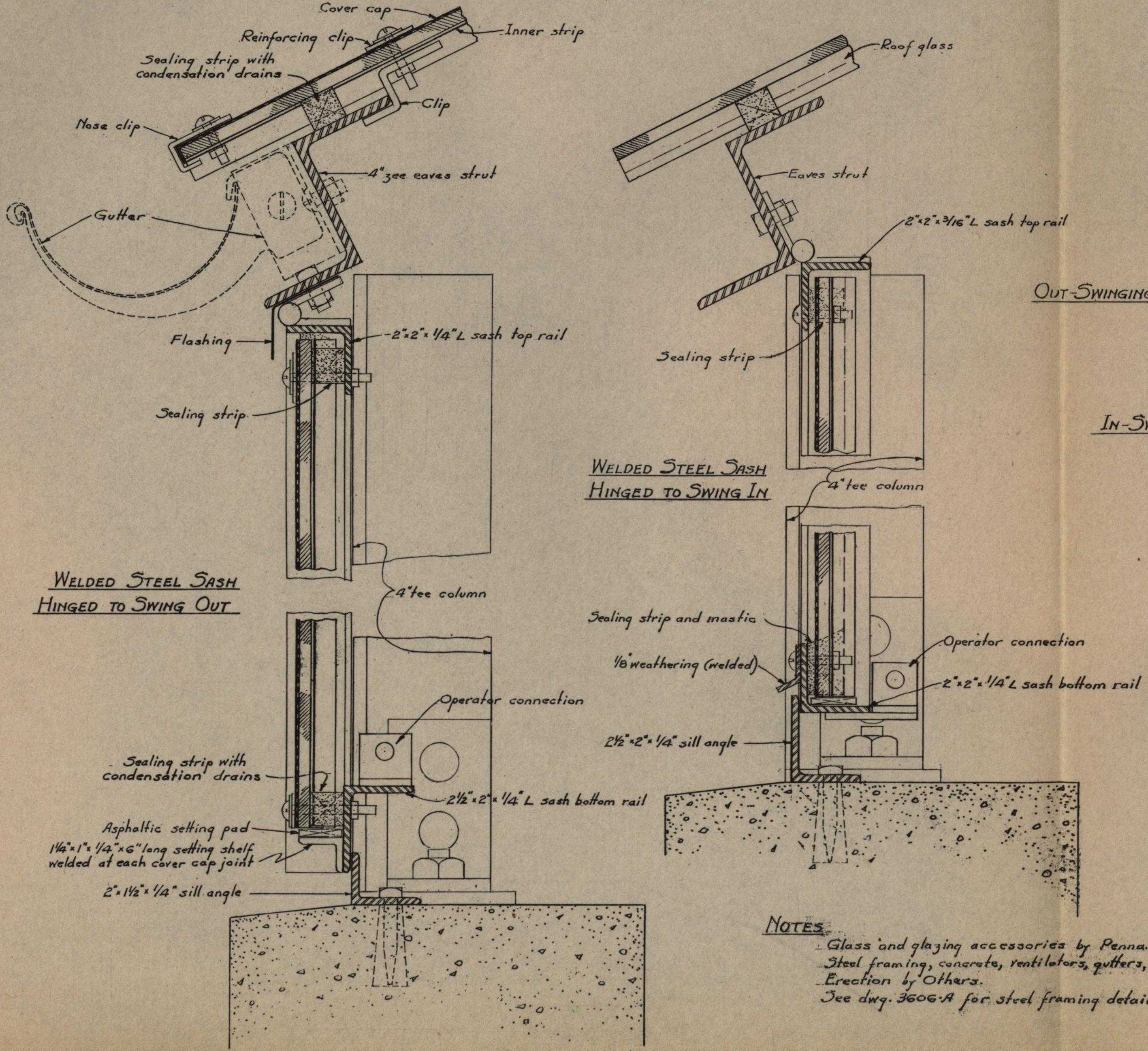
ELEVATION— CONVEYOR END


11'-10¼"
11'-9¼"
11'-9¼"
11'-9¼"
End Bays
Intermediate Bays (5 lights 27¾" glass @ 2'-4¼" centers — each bay)
26" diameter stationary ventilators — See dwg. 3606-B
Hinged sash — Details below

PARTIAL SIDE ELEVATION

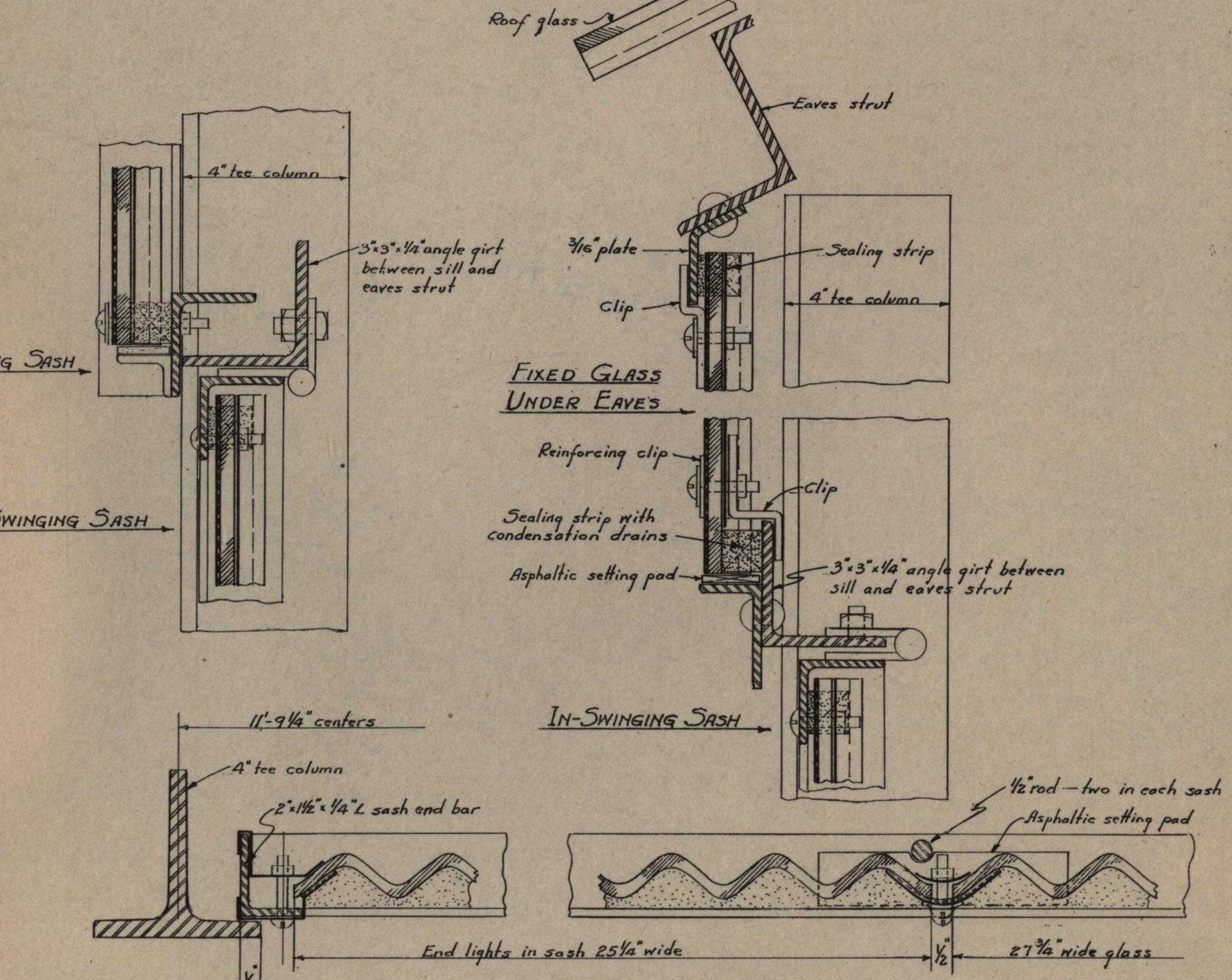


ELEVATION—HEAD END



WELDED STEEL SASH HINGED TO SWING OUT

WELDED STEEL SASH HINGED TO SWING IN



OUT-SWINGING SASH

IN-SWINGING SASH

FIXED GLASS UNDER EAVES

IN-SWINGING SASH

TYPICAL IN-SWINGING SASH.

NOTES:

- Glass and glazing accessories by Penna. Wire Glass Co.
- Steel framing, concrete, ventilators, gutters, doors, sash operators by Others.
- Erection by Others.
- See dwg. 3606-A for steel framing details.

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CORRUGATED WIRE GLASS
SLUDGE BED DETAILS
TYPICAL 40 FOOT WIDE BUILDING.

PENNSYLVANIA WIRE GLASS CO.
PHILADELPHIA

DRAWN BY.................CHECKED BY.................APPROVED BY.................
DATE 7-25-34 .....DATE.................DATE.................

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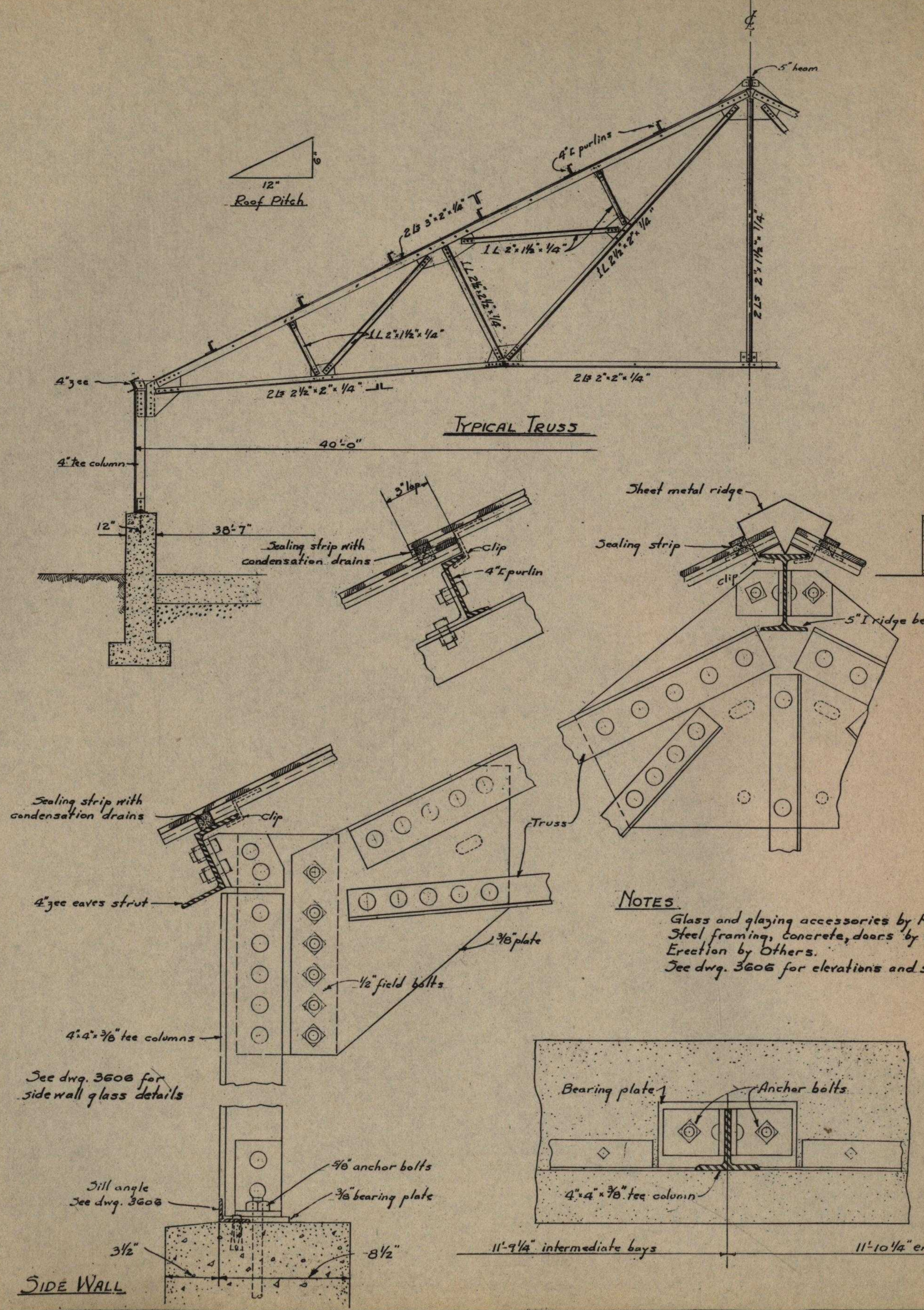
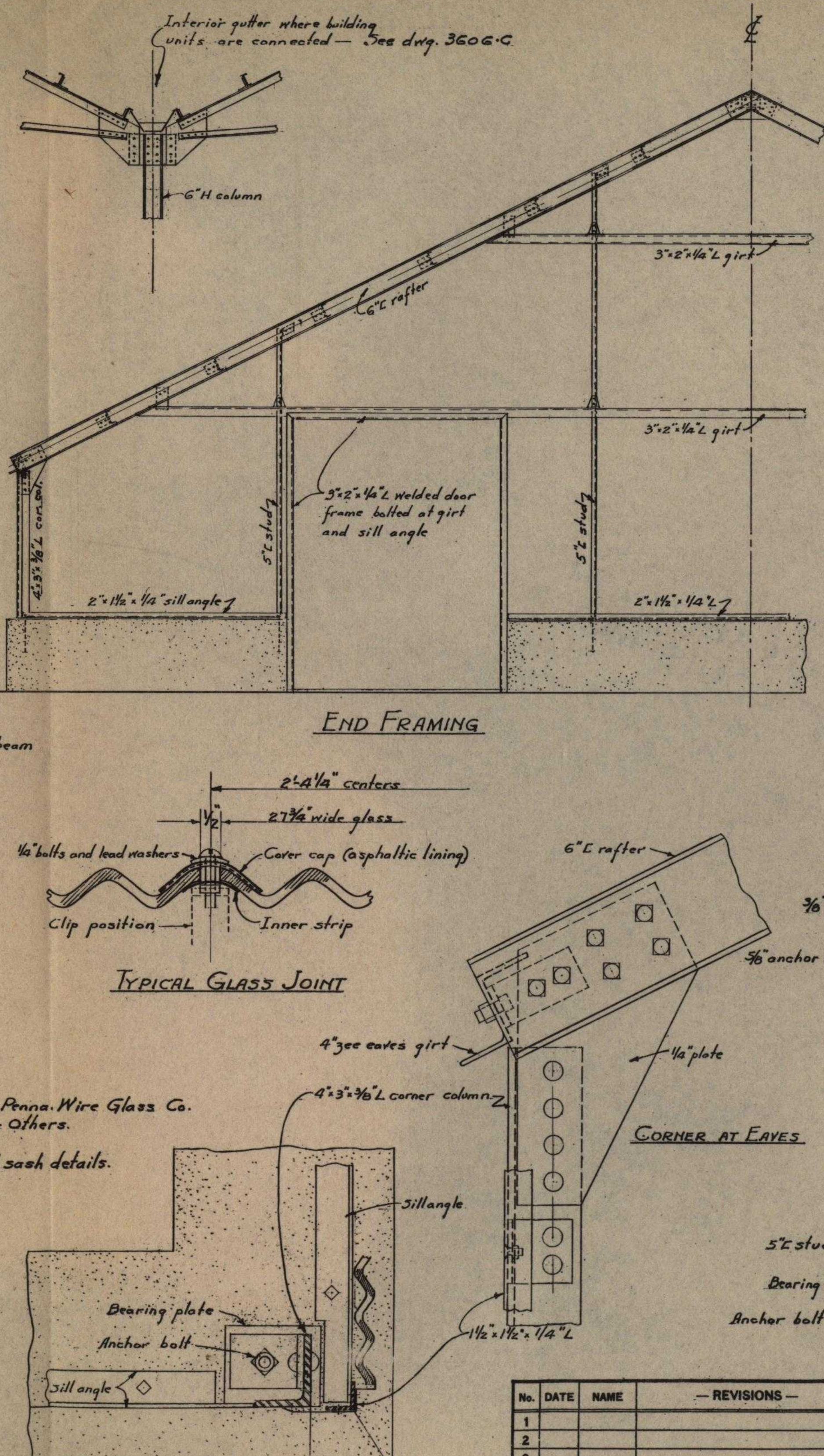


TYPICAL TRUSS

SIDE WALL

NOTES

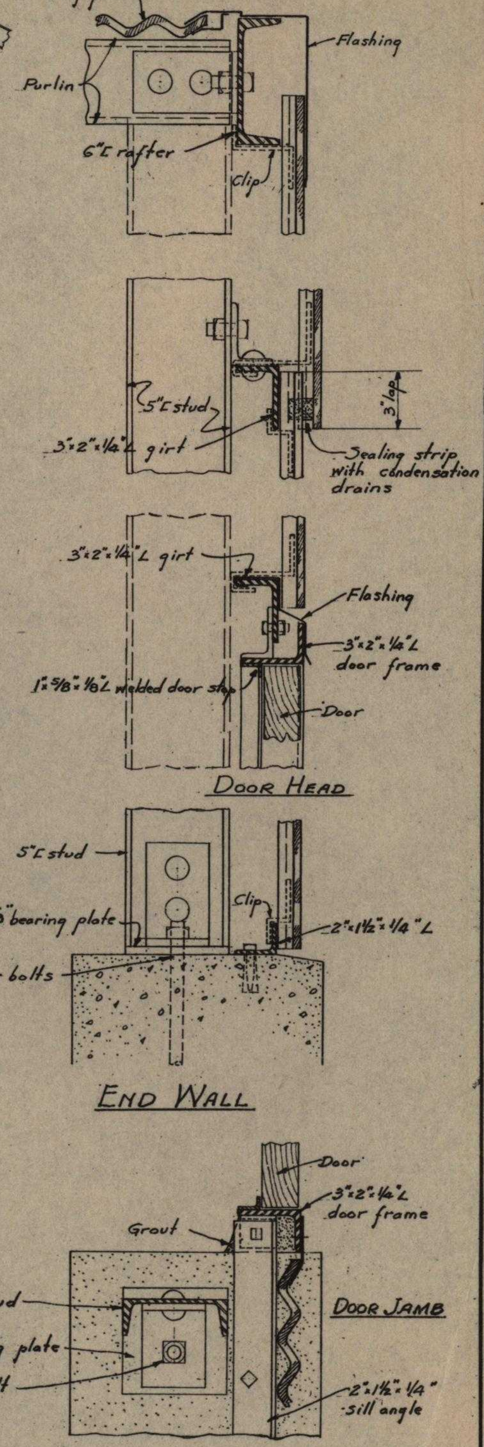
Glass and glazing accessories by Penna. Wire Glass Co.
Steel framing, concrete, doors by Others.
Erection by Others.
See dwg. 3606 for elevations and sash details.



END FRAMING

TYPICAL GLASS JOINT

CORNER AT EAVES



DOOR HEAD

END WALL

DOOR JAMB

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CORRUGATED WIRE GLASS
SLUDGE BED DETAILS
TYPICAL 40 FOOT WIDE BUILDING

PENNSYLVANIA WIRE GLASS CO.
PHILADELPHIA

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DATE 7-25-39 DATE.............. DATE..............

DRAWING No.-3606-A

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